

December 21, 2007

Mrs. Diana Mason
State of Utah
Division of Oil Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Application for Permit to Drill—XTO Energy, Inc.

LCU 15-2H

*Surface Location: 244' FSL & 2,060' FWL SE/4 SW/4,
Target Location: 647' FSL & 2,020' FEL, SW/4 SE/4,
Section 2, T11S, R20E, SLB&M, Uintah County, Utah*

Dear Diana;

On behalf of XTO Energy, Inc. Buys & Associates, Inc. respectfully submits the enclosed original and one copy of the Application for Permit to Drill (APD) for the above referenced SITLA surface and mineral directional well. The location of the surface and target location as well as all points along the intended well bore path are within Cause No. 259-01 and are not within 460 feet of the unit boundary or any uncommitted tracts. Included with the APD is the following supplemental information:

Exhibit "A" - Survey plats, layouts and photos of the proposed well site;

Exhibit "B" - Proposed location maps with access and utility corridors;

Exhibit "C" - Production site layout;

Exhibit "D" - Directional Drilling Plan with Directional Drilling Report;

Exhibit "E" - Surface Use Plan with APD Certification;

Exhibit "F" - Typical BOP and Choke Manifold diagram;

Exhibit "G" - Cultural and Paleontological Clearance Reports.

Thank you very much for your timely consideration of this application. Please feel free to contact myself or Ken Secrest of XTO Energy, Inc. at 435-722-4521 if you have any questions or need additional information.

Sincerely,

Don Hamilton

Don Hamilton
Agent for XTO Energy, Inc.

cc: Fluid Mineral Group, BLM—Vernal Field Office (2 copies)
Ken Secrest, XTO Energy, Inc.

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DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		5. MINERAL LEASE NO: ML-48771	6. SURFACE: State
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
2. NAME OF OPERATOR: XTO Energy, Inc.		8. UNIT or CA AGREEMENT NAME: Little Canyon Unit	
3. ADDRESS OF OPERATOR: P.O. Box 1360		9. WELL NAME and NUMBER: LCU 15-2H	
CITY Roosevelt STATE UT ZIP 84066		10. FIELD AND POOL, OR WILDCAT: Natural Buttes Hill Creek	
PHONE NUMBER: (435) 722-4521		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 2 11S 20E S	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 244' FSL & 2,060' FWL SE1/4 SW1/4, AT PROPOSED PRODUCING ZONE: 647' FSL & 2,020' FEL SW1/4 SE1/4,		14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 14.27 miles south of Ouray, Utah	
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 244'		16. NUMBER OF ACRES IN LEASE: 638.50	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 10'		19. PROPOSED DEPTH: 9,035	20. BOND DESCRIPTION: 104312 762
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5,004' ungraded ground		22. APPROXIMATE DATE WORK WILL START: 3/1/2008	23. ESTIMATED DURATION: 14 days

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17-1/2"	13-3/8" H-40 ST 48#	500	see Drilling Plan
12-1/4"	9-5/8" J-55 ST 36#	3,988	see Drilling Plan
7-7/8"	5-1/2" N-80 LT 17#	9,035	see Drilling Plan
			(8697' TVD)

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- | | |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Don Hamilton TITLE Agent for XTO Energy, Inc.
SIGNATURE Don Hamilton DATE 12/21/2007

(This space for State use only)

API NUMBER ASSIGNED: 43-047-39887

APPROVAL:

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T11S, R20E, S.L.B.&M.

Sec. 34

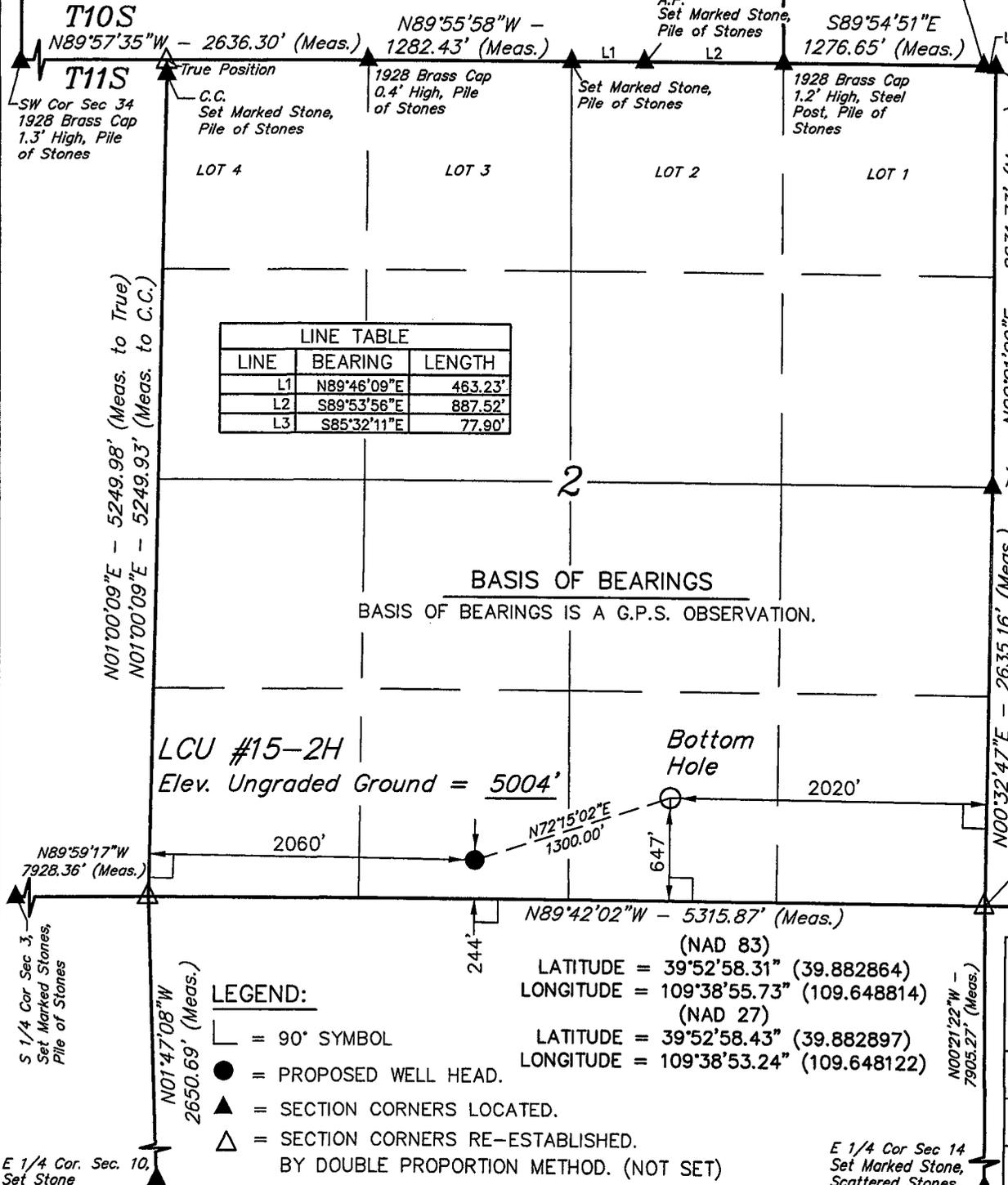
A.P. Set Marked Stone

XTO ENERGY, INC.

Well location, LCU #15-2H, located as shown in the SE 1/4 SW 1/4 of Section 2, T11S, R20E, S.L.B.&M. Uintah County Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.



LINE TABLE		
LINE	BEARING	LENGTH
L1	N89°46'09"E	463.23'
L2	S89°53'56"E	887.52'
L3	S85°32'11"E	77.90'

BASIS OF BEARINGS

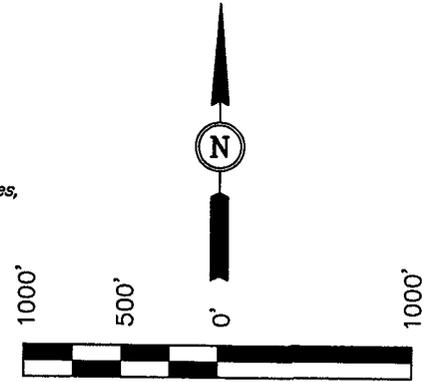
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LCU #15-2H
Elev. Ungraded Ground = 5004'

Bottom Hole

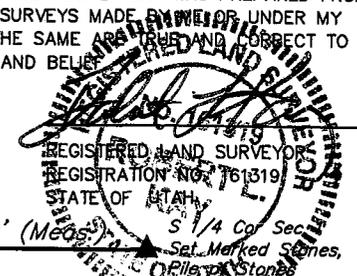
LEGEND:

- └─┘ = 90° SYMBOL
 - = PROPOSED WELL HEAD.
 - ▲ = SECTION CORNERS LOCATED.
 - △ = SECTION CORNERS RE-ESTABLISHED.
- BY DOUBLE PROPORTION METHOD. (NOT SET)



SCALE CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Section Corner
Re-Established by
Double Proportion

N89°57'50"W - 2657.89' (Meas.)

REVISED: 02-11-08 L.K.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 12-6-06	DATE DRAWN: 12-11-06
PARTY B.B. P.J. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE XTO ENERGY, INC	

E 1/4 Cor. Sec. 10,
Set Stone

E 1/4 Cor Sec 14
Set Marked Stone,
Scattered Stones

XTO ENERGY INC.

LCU 15-2H

APD Data

May 30, 2008

Location: 244' FSL & 2060' FWL, Sec. 2, T11S, R20E County: Uintah

State: Utah

Bottomhole Location: 647' FSL & 2020' FEL, Sec. 2, T11S, R20E

GREATEST PROJECTED TD: 8973' MD/ 8700' TVD

OBJECTIVE: Wasatch/Mesaverde

APPROX GR ELEV: 5004'

Est KB ELEV: 5018' (14' AGL)

1. MUD PROGRAM:

INTERVAL	0' to 2339'	2339' to 8973'
HOLE SIZE	12.25"	7.875"
MUD TYPE	FW/Spud Mud	KCl Based LSND / Gel Chemical
WEIGHT	8.80	8.6-9.2
VISCOSITY	NC	30-60
WATER LOSS	NC	8-15

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing purposes. The mud system will be monitored visually/manually.

2. CASING PROGRAM:

Surface Casing: 9.625" casing set at ±2339'MD/2200'TVD in a 12.25" hole filled with 8.8 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-2339'	2339'	36#	J-55	ST&C	2020	3520	394	8.921	8.765	2.57	4.47	4.68

Production Casing: 5.5" casing set at ±8973'MD/8700'TVD in a 7.875" hole filled with 9.20 ppg mud.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-8973'	8973'	17#	N-80	LT&C	6280	7740	348	4.892	4.767	1.91	2.35	2.28

Collapse and burst loads calculated at TVD with 0.1 psi/ft gas gradient back up.

3. WELLHEAD:

- A. Casing Head: Larkin Fig 92 (or equivalent), 9" nominal, 2,000 psig WP (4,000 psig test) with 9-5/8" 8rnd thread on bottom (or slip-on, weld-on) and 11-3/4" 8rnd thread on top.
- B. Tubing Head: Larkin Fig 612 (or equivalent), 6.456" nominal, 5,000 psig WP, 5-1/2" 8rnd female thread on bottom (or slip-on, weld-on), 8-5/8" 8rnd thread on top.

4. CEMENT PROGRAM:

- A. Surface: 9.625", 36#, J-55 (or equiv.), ST&C casing to be set at ±2339' in 12.25" hole.

LEAD:

±235 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.0 ppg, 3.82 ft³/sk, 22.95 gal wtr/sx.

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TAIL:

350 sx Class G or equivalent cement with bonding additive, LCM, dispersant, & fluid loss mixed at 15.6 ppg, 1.2 cuft/sx

Total estimated slurry volume for the 9.625" surface casing is 1316.1 ft³. Slurry includes 75% excess of calculated open hole annular volume to 2339'.

B. Production: 5.5", 17#, N-80 (or equiv.), LT&C casing to be set at ±8973' in 7.875" hole.

LEAD:

±279 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.6 ppg, 3.10 ft³/sk, 17.71 gal wtr/sx.

TAIL:

400 sx Class G or equivalent cement with poz, bonding additive, LCM, dispersant, & fluid loss mixed at 13.0 ppg, 1.49 cuft/sx, 9.09 gal/sx.

Total estimated slurry volume for the 5.5" production casing is 1462.1 ft³. Slurry includes 15% excess of calculated open hole annular volume.

Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined from the caliper logs plus 15% or greater excess. The cement is designed to circulate on surface casing string. The production casing is designed for 1839' top of cement..

5. LOGGING PROGRAM:

- A. Mud Logger: The mud logger will come on at intermediate casing point and will remain on the hole until TD. The mud will be logged in 10' intervals.
- B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (8973') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (8973') to 2339'. Run Gamma Ray to surface.

6. FORMATION TOPS:

Please see attached directional plan.

7. ANTICIPATED OIL, GAS, & WATER ZONES:

A.

Formation	Expected Fluids	TV Depth Top
Wasatch Tongue	Oil/Gas/Water	3,198
Green River Tongue	Oil/Gas/Water	3,538
Wasatch*	Gas/Water	3,678
Chapita Wells*	Gas/Water	4,563
Uteland Buttes	Gas/Water	5,613
Mesaverde*	Gas/Water	6,398
Castlegate	Gas/Water	NA

- B. Appropriately weighted mud will be used to isolate potential gas, oil, and water zones until such time as casing can be cemented into place for zonal isolation.
- C. There are no known potential sources of H₂S.

D. The bottomhole pressure is anticipated to be between 4200 psi and 4600 psi.

8. **BOP EQUIPMENT:**

Surface will not utilize a bop stack.

Production hole will be drilled with a 3000 psi BOP stack.

Minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double ram with annular, 3000 psi w.p.

Ram type preventers and associated equipment shall be tested to stack working pressure if isolated by test plug or to 70% of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10% in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50% of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed:
- b. whenever any seal subject to test pressure is broken
- c. following related repairs: and
- d. at 30 day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) shall be held open or the ball removed.

Annular preventers (if used) shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

A BOPE pit level drill shall be conducted weekly for each drilling crew.

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No.2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests. Pressure tests shall apply to all related well control equipment.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Test pressures for BOP equipment are as follows:

Annular BOP -- 1500 psi
Ram type BOP -- 3000 psi

Kill line valves -- 3000 psi
Choke line valves and choke manifold valves -- 3000 psi
Chokes -- 3000 psi
Casing, casinghead & weld -- 1500 psi
Upper kelly cock and safety valve -- 3000 psi
Dart valve -- 3000 psi

Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The BLM in Vernal, UT shall be notified, at least 24 hours prior to initiating the pressure test, in order to have a BLM representative on location during pressure testing.

- a. The size and rating of the BOP stack is shown on the attached diagram.
- b. A choke line and a kill line are to be properly installed.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.
- e. See attached BOP & Choke manifold diagrams.

9. **COMPANY PERSONNEL:**

<u>Name</u>	<u>Title</u>	<u>Office Phone</u>	<u>Home Phone</u>
John Egelston	Drilling Engineer	505-333-3163	505-330-6902
Bobby Jackson	Drilling Superintendent	505-333-3224	505-486-4706
Glen Christiansen	Project Geologist	817-885-2800	

XTO Energy

Natural Buttes Wells(NAD83)

LCU 15-2H

LCU 15-2H

LCU 15-2H

Plan: Sundry'd Wellbore

Standard Planning Report

28 May, 2008

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Well Name: LCU 15-2H

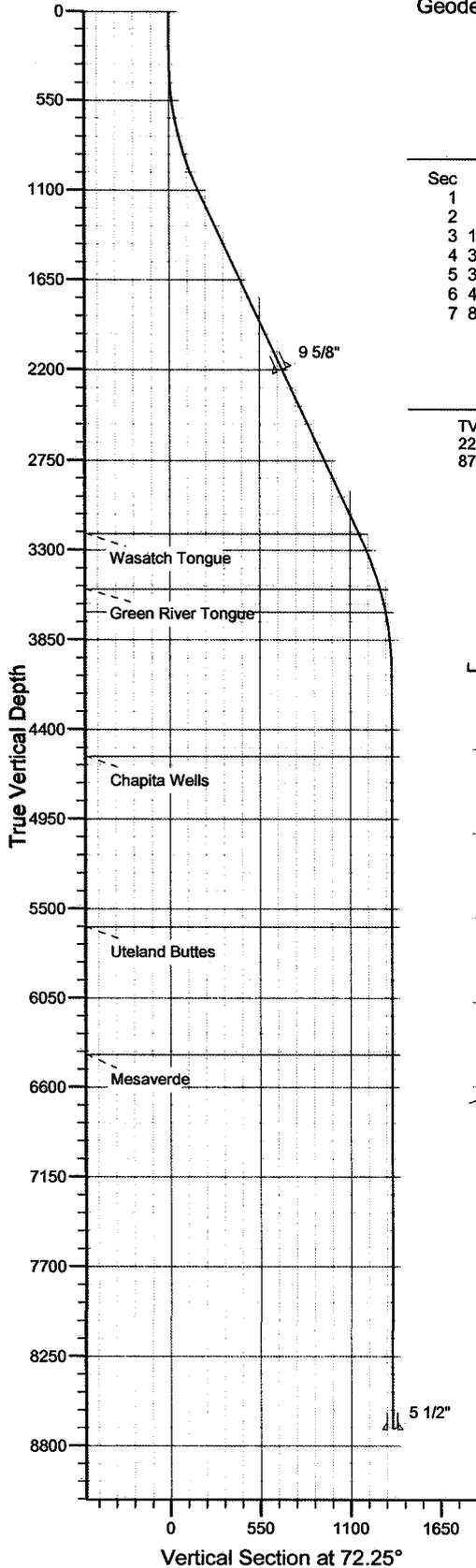
San Juan Division
Drilling Department

Calculation Method: Minimum Curvature
Geodetic Datum: North American Datum 1983
Lat: 39° 52' 58.310 N
Long: 109° 38' 55.730 W



Azimuths to True North
Magnetic North: 11.56°

Magnetic Field
Strength: 52617.1nT
Dip Angle: 65.84°
Date: 12/4/2007
Model: IGRF200510



SECTION DETAILS

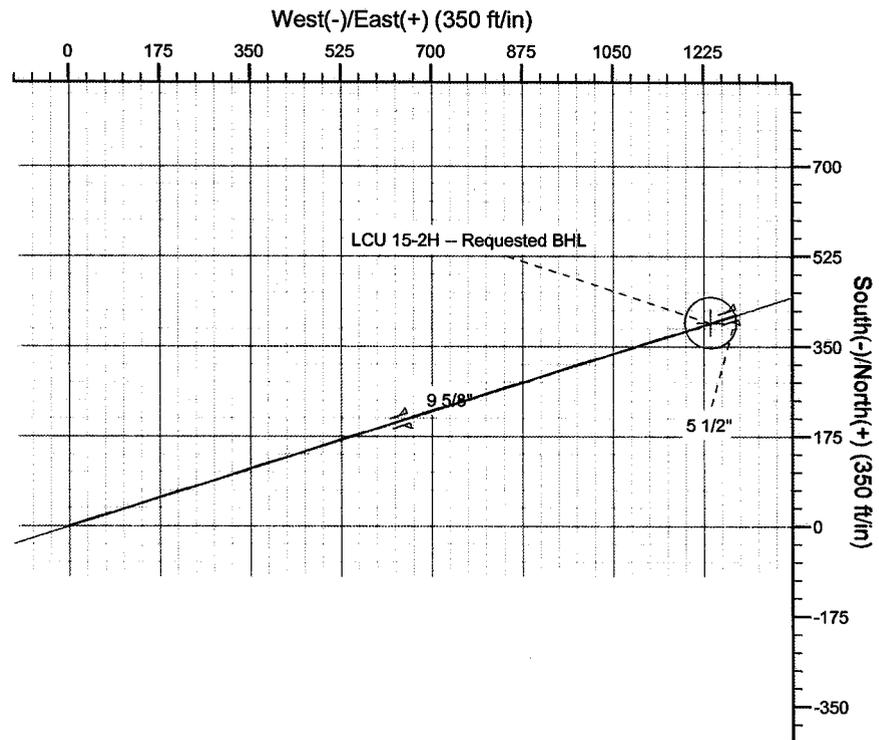
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	1133.3	25.00	72.25	1107.1	54.6	170.4	3.00	72.25	178.9	
4	3489.8	25.00	72.25	3242.8	358.2	1118.9	0.00	0.00	1174.8	
5	3868.9	13.63	72.25	3600.0	396.3	1238.1	3.00	180.00	1300.0	LCU 15-2H -- Requested BHL
6	4323.1	0.00	72.25	4050.0	412.7	1289.3	3.00	180.00	1353.8	
7	8973.2	0.00	72.25	8700.0	412.7	1289.3	0.00	72.25	1353.8	

CASING DETAILS

TVD	MD	Name	Size
2200.0	2339.2	9 5/8"	9-5/8
8700.0	8973.2	5 1/2"	5-1/2

FORMATION TOP DETAILS

TVDPATH	MDPATH	FORMATION
3198.0	3440.3	Wasatch Tongue
3538.0	3804.8	Green River Tongue
3678.0	3948.8	Wasatch
4563.0	4836.2	Chapita Wells
5613.0	5886.2	Uteland Buttes
6398.0	6671.2	Mesaverde



Vertical Section at 72.25°

XTO Energy, Inc.

Planning Report

Database: EDM 2003.14 Single User Db
Company: XTO Energy
Project: Natural Buttes Wells(NAD83)
Site: LCU 15-2H
Well: LCU 15-2H
Wellbore: LCU 15-2H
Design: Sundry'd Wellbore

Local Co-ordinate Reference: Well LCU 15-2H
TVD Reference: Rig KB @ 5018.0ft (Frontier #6)
MD Reference: Rig KB @ 5018.0ft (Frontier #6)
North Reference: True
Survey Calculation Method: Minimum Curvature

Project	Natural Buttes Wells(NAD83), Vernal, UT		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Utah Northern Zone		

Site	LCU 15-2H, T11S, R20E		
Site Position:		Northing:	3,122,239.73 ft
From:	Lat/Long	Easting:	2,160,020.38 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	39° 52' 58.310 N
		Longitude:	109° 38' 55.730 W
		Grid Convergence:	1.22 °

Well	LCU 15-2H, S-Well to Wasatch/Mesaverde		
Well Position	+N/-S	0.0 ft	Northing: 3,122,239.73 ft
	+E/-W	0.0 ft	Easting: 2,160,020.38 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	5,004.0 ft
		Latitude:	39° 52' 58.310 N
		Longitude:	109° 38' 55.730 W
		Ground Level:	5,004.0 ft

Wellbore	LCU 15-2H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/4/2007	11.56	65.84	52,617

Design	Sundry'd Wellbore			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	72.25

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,133.3	25.00	72.25	1,107.1	54.6	170.4	3.00	3.00	0.00	72.25	
3,489.8	25.00	72.25	3,242.8	358.2	1,118.9	0.00	0.00	0.00	0.00	
3,868.9	13.63	72.25	3,600.0	396.3	1,238.1	3.00	-3.00	0.00	180.00	LCU 15-2H - Reques
4,323.1	0.00	72.25	4,050.0	412.7	1,289.3	3.00	-3.00	0.00	180.00	
8,973.2	0.00	72.25	8,700.0	412.7	1,289.3	0.00	0.00	0.00	72.25	

XTO Energy, Inc.
Planning Report

Database: EDM 2003.14 Single User Db
Company: XTO Energy
Project: Natural Buttes Wells(NAD83)
Site: LCU 15-2H
Well: LCU 15-2H
Wellbore: LCU 15-2H
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Local Co-ordinate Reference: Well LCU 15-2H
TVD Reference: Rig KB @ 5018.0ft (Frontier #6)
MD Reference: Rig KB @ 5018.0ft (Frontier #6)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	3.00	72.25	400.0	0.8	2.5	2.6	3.00	3.00	0.00
500.0	6.00	72.25	499.6	3.2	10.0	10.5	3.00	3.00	0.00
600.0	9.00	72.25	598.8	7.2	22.4	23.5	3.00	3.00	0.00
700.0	12.00	72.25	697.1	12.7	39.7	41.7	3.00	3.00	0.00
800.0	15.00	72.25	794.3	19.8	62.0	65.1	3.00	3.00	0.00
900.0	18.00	72.25	890.2	28.5	89.0	93.5	3.00	3.00	0.00
1,000.0	21.00	72.25	984.4	38.7	120.8	126.9	3.00	3.00	0.00
1,100.0	24.00	72.25	1,076.8	50.3	157.3	165.1	3.00	3.00	0.00
1,133.3	25.00	72.25	1,107.1	54.6	170.4	178.9	3.00	3.00	0.00
1,200.0	25.00	72.25	1,167.6	63.1	197.3	207.1	0.00	0.00	0.00
1,300.0	25.00	72.25	1,258.2	76.0	237.5	249.4	0.00	0.00	0.00
1,400.0	25.00	72.25	1,348.8	88.9	277.8	291.6	0.00	0.00	0.00
1,500.0	25.00	72.25	1,439.5	101.8	318.0	333.9	0.00	0.00	0.00
1,600.0	25.00	72.25	1,530.1	114.7	358.3	376.2	0.00	0.00	0.00
1,700.0	25.00	72.25	1,620.7	127.6	398.5	418.4	0.00	0.00	0.00
1,800.0	25.00	72.25	1,711.3	140.4	438.8	460.7	0.00	0.00	0.00
1,900.0	25.00	72.25	1,802.0	153.3	479.0	502.9	0.00	0.00	0.00
2,000.0	25.00	72.25	1,892.6	166.2	519.3	545.2	0.00	0.00	0.00
2,100.0	25.00	72.25	1,983.2	179.1	559.5	587.5	0.00	0.00	0.00
2,200.0	25.00	72.25	2,073.9	192.0	599.8	629.7	0.00	0.00	0.00
2,300.0	25.00	72.25	2,164.5	204.9	640.0	672.0	0.00	0.00	0.00
2,339.2	25.00	72.25	2,200.0	209.9	655.8	688.5	0.00	0.00	0.00
9 5/8"									
2,400.0	25.00	72.25	2,255.1	217.8	680.3	714.3	0.00	0.00	0.00
2,500.0	25.00	72.25	2,345.8	230.6	720.5	756.5	0.00	0.00	0.00
2,600.0	25.00	72.25	2,436.4	243.5	760.8	798.8	0.00	0.00	0.00
2,700.0	25.00	72.25	2,527.0	256.4	801.0	841.0	0.00	0.00	0.00
2,800.0	25.00	72.25	2,617.7	269.3	841.3	883.3	0.00	0.00	0.00
2,900.0	25.00	72.25	2,708.3	282.2	881.5	925.6	0.00	0.00	0.00
3,000.0	25.00	72.25	2,798.9	295.1	921.8	967.8	0.00	0.00	0.00
3,100.0	25.00	72.25	2,889.5	307.9	962.0	1,010.1	0.00	0.00	0.00
3,200.0	25.00	72.25	2,980.2	320.8	1,002.3	1,052.4	0.00	0.00	0.00
3,300.0	25.00	72.25	3,070.8	333.7	1,042.5	1,094.6	0.00	0.00	0.00
3,400.0	25.00	72.25	3,161.4	346.6	1,082.8	1,136.9	0.00	0.00	0.00
3,440.3	25.00	72.25	3,198.0	351.8	1,099.0	1,153.9	0.00	0.00	0.00
Wasatch Tongue									
3,489.8	25.00	72.25	3,242.8	358.2	1,118.9	1,174.8	0.00	0.00	0.00
3,500.0	24.69	72.25	3,252.1	359.5	1,123.0	1,179.1	3.00	-3.00	0.00
3,600.0	21.69	72.25	3,344.0	371.5	1,160.5	1,218.5	3.00	-3.00	0.00
3,700.0	18.69	72.25	3,437.8	382.0	1,193.4	1,253.0	3.00	-3.00	0.00
3,800.0	15.69	72.25	3,533.4	391.0	1,221.5	1,282.6	3.00	-3.00	0.00
3,804.8	15.55	72.25	3,538.0	391.4	1,222.7	1,283.9	3.00	-3.00	0.00
Green River Tongue									
3,868.9	13.63	72.25	3,600.0	396.3	1,238.1	1,300.0	3.00	-3.00	0.00
LCU 15-2H -- Requested BHL									
3,900.0	12.69	72.25	3,630.3	398.5	1,244.9	1,307.1	3.00	-3.00	0.00
3,948.8	11.23	72.25	3,678.0	401.6	1,254.5	1,317.2	3.00	-3.00	0.00
Wasatch									
4,000.0	9.69	72.25	3,728.4	404.4	1,263.3	1,326.5	3.00	-3.00	0.00

XTO Energy, Inc.

Planning Report

Database: EDM 2003.14 Single User Db
Company: XTO Energy
Project: Natural Buttes Wells(NAD83)
Site: LCU 15-2H
Well: LCU 15-2H
Wellbore: LCU 15-2H
Design: Sundry'd Wellbore

Local Co-ordinate Reference: Well LCU 15-2H
TVD Reference: Rig KB @ 5018.0ft (Frontier #6)
MD Reference: Rig KB @ 5018.0ft (Frontier #6)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,100.0	6.69	72.25	3,827.3	408.7	1,276.9	1,340.7	3.00	-3.00	0.00
4,200.0	3.69	72.25	3,926.9	411.5	1,285.5	1,349.8	3.00	-3.00	0.00
4,300.0	0.69	72.25	4,026.8	412.7	1,289.2	1,353.6	3.00	-3.00	0.00
4,323.1	0.00	72.25	4,050.0	412.7	1,289.3	1,353.8	3.00	-3.00	0.00
4,400.0	0.00	72.25	4,126.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
4,500.0	0.00	72.25	4,226.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
4,600.0	0.00	72.25	4,326.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
4,700.0	0.00	72.25	4,426.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
4,800.0	0.00	72.25	4,526.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
4,836.2	0.00	72.25	4,563.0	412.7	1,289.3	1,353.8	0.00	0.00	0.00
Chapita Wells									
4,900.0	0.00	72.25	4,626.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
5,000.0	0.00	72.25	4,726.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
5,100.0	0.00	72.25	4,826.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
5,200.0	0.00	72.25	4,926.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
5,300.0	0.00	72.25	5,026.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
5,400.0	0.00	72.25	5,126.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
5,500.0	0.00	72.25	5,226.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
5,600.0	0.00	72.25	5,326.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
5,700.0	0.00	72.25	5,426.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
5,800.0	0.00	72.25	5,526.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
5,886.2	0.00	72.25	5,613.0	412.7	1,289.3	1,353.8	0.00	0.00	0.00
Uteland Buttes									
5,900.0	0.00	72.25	5,626.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
6,000.0	0.00	72.25	5,726.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
6,100.0	0.00	72.25	5,826.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
6,200.0	0.00	72.25	5,926.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
6,300.0	0.00	72.25	6,026.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
6,400.0	0.00	72.25	6,126.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
6,500.0	0.00	72.25	6,226.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
6,600.0	0.00	72.25	6,326.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
6,671.2	0.00	72.25	6,398.0	412.7	1,289.3	1,353.8	0.00	0.00	0.00
Mesaverde									
6,700.0	0.00	72.25	6,426.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
6,800.0	0.00	72.25	6,526.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
6,900.0	0.00	72.25	6,626.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
7,000.0	0.00	72.25	6,726.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
7,100.0	0.00	72.25	6,826.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
7,200.0	0.00	72.25	6,926.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
7,300.0	0.00	72.25	7,026.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
7,400.0	0.00	72.25	7,126.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
7,500.0	0.00	72.25	7,226.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
7,600.0	0.00	72.25	7,326.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
7,700.0	0.00	72.25	7,426.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
7,800.0	0.00	72.25	7,526.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
7,900.0	0.00	72.25	7,626.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
8,000.0	0.00	72.25	7,726.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
8,100.0	0.00	72.25	7,826.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
8,200.0	0.00	72.25	7,926.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
8,300.0	0.00	72.25	8,026.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
8,400.0	0.00	72.25	8,126.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
8,500.0	0.00	72.25	8,226.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
8,600.0	0.00	72.25	8,326.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00

XTO Energy, Inc.
Planning Report

Database: EDM 2003.14 Single User Db
Company: XTO Energy
Project: Natural Buttes Wells(NAD83)
Site: LCU 15-2H
Well: LCU 15-2H
Wellbore: LCU 15-2H
Design: Sundry'd Wellbore

Local Co-ordinate Reference: Well LCU 15-2H
TVD Reference: Rig KB @ 5018.0ft (Frontier #6)
MD Reference: Rig KB @ 5018.0ft (Frontier #6)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,700.0	0.00	72.25	8,426.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
8,800.0	0.00	72.25	8,526.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
8,900.0	0.00	72.25	8,626.8	412.7	1,289.3	1,353.8	0.00	0.00	0.00
8,973.2	0.00	72.25	8,700.0	412.7	1,289.3	1,353.8	0.00	0.00	0.00
5 1/2"									

Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
LCU 15-2H – Requestec	0.00	0.00	3,600.0	396.3	1,238.1	3,122,662.33	2,161,249.77	39° 53' 2.226 N	109° 38' 39.852 W
- plan hits target									
- Circle (radius 50.0)									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,339.2	2,200.0	9 5/8"	9-5/8	12-1/4
8,973.2	8,700.0	5 1/2"	5-1/2	7-7/8

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,440.3	3,198.0	Wasatch Tongue		0.00	
3,804.8	3,538.0	Green River Tongue		0.00	
3,948.8	3,678.0	Wasatch		0.00	
4,836.2	4,563.0	Chapita Wells		0.00	
5,886.2	5,613.0	Uteland Buttes		0.00	
6,671.2	6,398.0	Mesaverde		0.00	

SURFACE USE PLAN

CONDITIONS OF APPROVAL

Name of Operator: XTO Energy, Inc.
Address: P.O. Box 1360; 978 North Crescent
Roosevelt, Utah 84066
Well Location: LCU 15H
Surface Location: 244' FSL & 2,060' FWL SE/4 SW/4,
Target Location: 647' FSL & 2,020' FEL, SW/4 SE/4,
Section 2, T11S, R20E, SLB&M, Uintah County, Utah

The surface owner or surface owner representative and dirt contractor will be provided with an approved copy of the surface use plan of operations and approved conditions of approval before initiating construction.

The onsite inspection for the referenced well is pending at this time.

The proposed well will utilize the existing LCU 14-2H pad and access and pipeline corridors.

1. Location of Existing Roads:

- a. The proposed well site is located approximately 14.27 miles south of Ouray, UT.
- b. Directions to the proposed well site have been attached at the end of Exhibit B.
- c. The use of roads under State and County Road Department maintenance are necessary to access the Little Canyon Unit area. However, an encroachment permit is not anticipated since no upgrades to the State or County Road system are proposed at this time.
- d. All existing roads will be maintained and kept in good repair during all phases of operation.
- e. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.
- f. Since no improvements are anticipated to the State, County, Tribal or BLM access roads no topsoil striping will occur.
- g. An off-lease federal Right-of-Way is not anticipated for the access road since access presently exists to the existing LCU 14-2H pad.

2. New or Reconstructed Access Roads:

- a. No new or upgraded access is proposed with this application.
- b. Proposed access utilizes the existing road to the existing LCU 14-2H co-located with the proposed well site.

3. Location of Existing Wells:

- a. Exhibit B has a map reflecting these wells within a one mile radius of the proposed well.

4. Location of Existing and/or Proposed Production Facilities:

- a. All permanent structures will be painted a flat, non-reflective Desert Brown /Carlsbad Canyon to match the standard environmental colors. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- b. Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.
- c. A gas meter run will be constructed and located on lease within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162. 7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- d. A tank battery will be constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.
- e. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.
- f. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.
- g. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.
- h. No new pipeline is proposed with this application.
- i. A pipeline upgrade is proposed from the existing pad site to the existing 24" LCU pipeline corridor.
- j. The gas pipeline will be a 12" or less buried line and the water pipeline will be a 12" or less buried line within a single trench and within a 75' wide disturbed pipeline corridor. The use of the existing well site and access roads will facilitate the staging of the pipeline corridor upgrade. An upgrade to a 75' wide buried pipeline corridor of approximately 614' is associated with this application.
- k. The proposed pipeline and pipeline upgrade are contained within SITLA surface.
- l. XTO Energy, Inc. intends to bury the pipeline where possible and connect the pipeline together utilizing conventional welding technology.

5. Location and Type of Water Supply:

- a. No water supply pipelines will be laid for this well.
- b. No water well will be drilled for this well.
- c. Drilling water for this will be hauled on the road(s) shown in Exhibit "B".
- d. Water will be hauled from one of the following sources:
 - o Water Permit # 43-10447, Section 33, T8S, R20E;
 - o Water Permit #43-2189, Section 33, T8S, R20E;
 - o Water Permit #49-2158, Section 33, T8S, R20E;
 - o Water Permit #49-2262, Section 33, T8S, R20E;
 - o Water Permit #49-1645, Section 5, T9S, R22E;
 - o Water Permit #43-9077, Section 32, T6S, R20E;
 - o Tribal Resolution 06-183, Section 22, T10S, R20E;

6. Source of Construction Material:

- a. The use of materials will conform to 43 CFR 3610.2-3.
- b. No construction materials will be removed from Ute Tribal or BLM lands.
- c. If any gravel is used, it will be obtained from a state approved gravel pit.

7. Methods of Handling Waste:

- a. All wastes associated with this application will be contained and disposed of utilizing approved facilities.
- b. Drill cuttings will be contained and buried on site.
- c. The reserve pit will be located outboard of the location and along the southwest side of the pad.
- d. The reserve pit will be constructed so as not to leak, break, or allow any discharge.
- e. The reserve pit will be lined with 16 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operation.
- f. The reserve pit has been located in cut material. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.
- g. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or

completion of the well.

- h. Trash will be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. The contents of the trash container will be hauled off periodically to the approved Uintah County Landfill near Vernal, Utah.
- i. Produced fluids from the well other than water will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.
- j. After initial clean-up, a 400 bbl tank will be installed to contain produced waste water. This water will be transported from the tank to an approved XTO Energy, Inc. disposal well for disposal.
- k. Produced water from the production well will be disposed of at the RBU 13-11F or RBU 16-19F disposal wells in accordance with Onshore Order #7.
- l. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the drilling fluid.
- m. Sanitary facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

8. Ancillary Facilities:

- a. Garbage Containers and Portable Toilets are the only ancillary facilities proposed in this application.
- b. No camps, airstrips or staging areas are proposed with this application.

9. Well Site Layout: (See Exhibit B)

- a. The well will be properly identified in accordance with 43 CFR 3162.6.
- b. Access to the well pad will be from the north.
- c. The pad and road designs are consistent with SITLA specification
- d. A pre-construction meeting with responsible company representative, contractors, and the SITLA will be conducted at the project site prior to commencement of surface-disturbing activities. The pad and road will be construction-staked prior to this meeting.
- e. The pad has been staked at its maximum size; however it will be constructed smaller if possible, depending upon rig availability. Should the layout change, this application will be amended and approved utilizing a sundry notice.
- f. All surface disturbing activities, will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.
- g. All cut and fill slopes will be such that stability can be maintained for the life of the activity.

- h. Diversion ditches will be constructed as shown around the well site to prevent surface waters from entering the well site area.
- i. The site surface will be graded to drain away from the pit to avoid pit spillage during large storm events.
- j. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a windrow on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.
- k. Pits will remain fenced until site cleanup.
- l. The blooie line will be located at least 100 feet from the well head.
- m. Water injection may be implemented if necessary to minimize the amount of fugitive dust.

10. Plans for Restoration of the Surface (Interim Reclamation and Final Reclamation):

- a. Site reclamation for a producing well will be accomplished for portions of the site not required for the continued operation of the well.
- b. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. Once the reserve pit is dry, the plastic nylon reinforced liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximate natural contours.
- c. Following Best Management Practices the interim reclamation will be completed within 90 days of completion of the well to reestablish vegetation, reduce dust and erosion and compliment the visual resources of the area.
 - a. All equipment and debris will be removed from the area proposed for interim reclamation and the pit area will be backfilled and re-contoured.
 - b. The area outside of the rig anchors and other disturbed areas not needed for the operation of the well will be re-contoured to blend with the surrounding area and reseeded as prescribed by the SITLA.
 - c. Reclaimed areas receiving incidental disturbance during the life of the producing well will be re-contoured and reseeded as soon as practical.
- d. The Operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the SITLA or the appropriate County Extension Office. On SITLA administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.
- e. Prior to final abandonment of the site, all disturbed areas, including the access road, will be scarified and left with a rough surface. The site will then be seeded and/or planted as prescribed by the SITLA. The SITLA recommended seed mix will be detailed within their approval documents.

11. Surface and Mineral Ownership:

- a. Surface Ownership – State of Utah – under the management of the SITLA -State Office, 675 East 500 South, Suite 500, Salt Lake, City, Utah 84102-2818; 801-538-5100.
- b. Mineral Ownership – State of Utah – under the management of the SITLA -State Office, 675 East 500 South, Suite 500, Salt Lake, City, Utah 84102-2818; 801-538-5100.

12. Other Information:

a. Operators Contact Information:

<u>Title</u>	<u>Name</u>	<u>Office Phone</u>	<u>Mobile Phone</u>	<u>e-mail</u>
Company Rep.	Ken Secrest	435-722-4521	435-828-1450	Ken_Secrest@xtoenergy.com
Agent	Don Hamilton	435-719-2018	435-719-2018	starpoint@etv.net

- b. AIA Archaeological has conducted a Class III archeological survey. A copy of the report is attached and has also been submitted under separate cover to the appropriate agencies by AIA Archaeological.
- c. Alden Hamblin has conducted a paleontological survey. A copy of the report is attached and has also been submitted under separate cover to the appropriate agencies by Alden Hamblin.

Certification:

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application and that bond coverage is provided under XTO Energy, Inc's SITLA bond 104312-762. These statements are subject to the provisions of 18 U.S.C. 1001 for the fling of false statements.

Executed this 21st day of December, 2007.

Don Hamilton

Don Hamilton -- Agent for XTO Energy, Inc.
2580 Creekview Road
Moab, Utah 84532

435-719-2018
starpoint@etv.net

Dominion Exploration & Production, Inc.
Little Canyon Unit #15-2H: A Cultural
Resource Inventory for a well
its access and pipeline,
Uintah County, Utah.

By
James A. Truesdale

James A. Truesdale
Principal Investigator

Prepared For
Dominion Exploration and Production, Inc.
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Utah Project # U-06-AY-158(s)

May 17, 2007

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Appendix A. AIA Original Report - Dominion Exploration and Production, Inc., Little Canyon Unit #14-2H: A Cultural Resource Inventory for a well, its access and pipeline, Uintah County, Utah. Utah Project Number U-06-AY-157(s) - June 8, 2006. - - - - - 10

Introduction

An Independent Archaeologist (AIA) was contacted by a representative of Dominion Exploration & Production, Inc., to conduct a cultural resources investigation of the proposed Little Canyon Unit (LCU) #15-2H well, its access and pipeline. The location of the project area is the SE/SW 1/4 of Section 12 T11S, R20E Uintah County, Utah (Figure 1).

The proposed Little Canyon Unit #15-2H well will be directionally drilled from the existing LCU #14-2H well pad. The LCU #14-2H well was surveyed by AIA in 2006 (Truesdale 2006). A copy of this report can be found in appendix A.

The proposed LCU #15-2H well's centerstake footage (Alternate #1) is 244' FSL, 2060' FWL. The centerstake was missing, therefore, a UTM coordinate was not available.

As mentioned above, the proposed LCU #15-2H well will be directionally drilled from the existing LCU #14-2H well pad. Therefore, the LCU #15-2H well's proposed access and pipeline is the road and pipeline associated with the LCU #14-2H well pad.

The surface and minerals of Section 2 T11S R20E is administered by the Utah School Institutional Trust Land Administration (SITLA). A total of 10 acres (10 block, 0 linear) was surveyed. The fieldwork was conducted on May 8, 2007 by AIA archaeologists James Truesdale and CJ Truesdale. All the field notes and maps are located in the AIA office in Laramie, Wyoming.

File Search

A file search was conducted by the Office of the Utah Division of State History (UDSH), Antiquities Section, Records Division on February 20, 2006. An additional file search was conducted at the Vernal BLM office in March of 2006 by the author. An update of AIA's USGS 7.5'/1968 (photorevised 1987) Big Pack Mountain NW quadrangle map from the UDSH's Big Pack Mountain NW quadrangle base map occurred on November 8, 2003 and again on February 3, 2004. The UDSH SHPO GIS file search reported that one previous project (U-04-AY-246) had been conducted in the general area (Section 2 of T11S R20E). No cultural resources had been recorded during this previous project.

After review of AIA base maps and cultural records, no additional projects and/or cultural materials (sites, isolates) have been previously recorded in the immediate project area.

Environment

Physiographically, the project is located in the Little Canyon Unit in the Uinta Basin, 14 miles south of Ouray, Utah. The Uinta Basin is structurally the lowest part of the Colorado

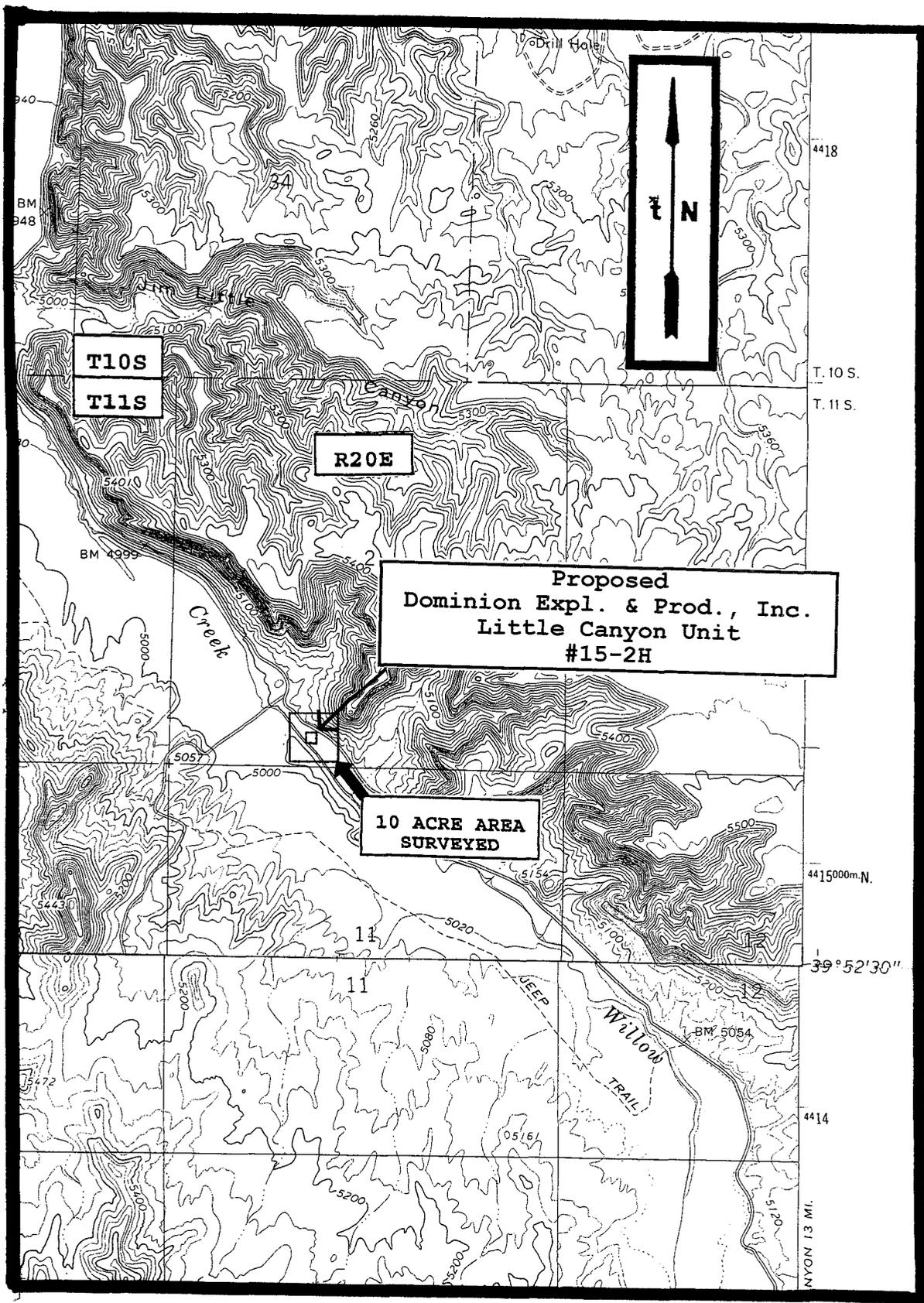


Figure 1. Location of the Dominion Exploration and Production, Inc.'s proposed Little Canyon Unit #15-2H, its access and pipeline on 1968 USGS quadrangle map Big Pack Mountain NW, Uintah County, Utah.

Plateau geographical province (Thornbury 1965:425). The Uinta basin is a large, relatively flat, bowl shaped, east-west asymmetrical syncline near the base of the Uinta Mountains. The topography is characteristic of sloping surfaces that incline northward and are mainly dip slopes on the harder layers of Green River and Uinta Formations (Stokes 1986).

A thick section of more than 9000 feet (2743.9 m) of early Tertiary rocks are exposed (Childs 1950). These rocks are mainly Paleocene and Eocene in age and consist of sandstone, clay and shale lacustrine, fluvial, and deltaic continental deposits, most famous of which are the lacustrine Green River Beds.

The immediate project area is situated on in the Willow Creek Canyon. The area is characterized as having steep ridges and/or buttes of relatively thick Uinta Formation sandstone, with thinner layers of clays and shale. The hills, ridges and buttes are dissected by several steep sided ephemeral drainage washes with wide flat alluvial plains. Portions of the desert hardpan and bedrock are covered with various sizes of residual angular to tabular pieces of eroding sandstone, clay and shale. Many of the higher hills and ridges exhibit ancient terrace (pediment) surfaces containing pebble and cobble gravel. Some of these pebbles and cobbles exhibit a dark brown to black desert varnish (patination). In addition, many of the hills and ridge slopes are covered with aeolian sand that may reach a depth of 100 to 150 cm.

Vegetation in the Little Canyon Unit area is characteristic of a low sagebrush community with shad scale and greasewood. Species observed in the project area include; big sagebrush (Artemesia tridentata), shadscale (Atriplex confertifolia), saltbush (Atriplex nuttallii), rabbitbrush (Chrysothamnus viscidiflorus), winterfat (Eurotia lanata), greasewood (Sarcobatus baileyi), wild buckwheat, (Erigonum ovalifolium), desert trumpet (Erigonum inflatum), Indian rice grass (Oryzopsis hymenoides), western wheatgrass (Agropyron smithii), spiked wheatgrass (Agropyron sp.), crested wheatgrass (Agropyron cristatum), June grass (Koeleria cristata), cheat grass (Bromus tectorum), desert globemallow (Bromus tectorum), lupine (Lupinus sp.), larkspur (Delphinium sp.), Indian paintbrush (Castilleja chromosa), peppergrass (Lepidium perfoliatum), scalloped phacelia (Phacelia intergrifolia), birdsage evening primrose (Oenothera deltoides), Russian thistle (Salsola kali), Russian knapweed (Centaurea repens), and prickly pear cactus (Opuntia sp.). In addition, a riparian community dominated by tall greasewood, cottonwood (Populus sp.), willow (Salix sp.), and salt cedar (tamerix) can be found along the Willow Creek Canyon bottom.

Little Canyon Unit (LCU) #15-2H

As mentioned earlier, The proposed LCU #15-2H well will be directionally drilled from the existing LCU #14-2H well pad. The proposed LCU #15-2H well centerstake (699' FSL, 2108' FWL) is located 6 feet (1.82 m) south and 9 feet (2.73 m) east of the existing LCU #14-2H well centerstake (250' FSL, 2051' FWL).

The proposed LCU #15-2H and existing LCU #14-2H well pad is situated in the bottom of Willow Creek Canyon in the Willow Creek floodplain. The Willow Creek Canyon road is adjacent immediately east of the proposed well pad. The sediments on the well location are alluvial in nature. These alluvial deposits consist of moderately deep (≤ 1.5 m), tan to light brown, finely to poorly sorted, moderately compacted, sandy clay and clay loam, mixed with small to large angular pieces of fluvial sandstone, clay and shale. Exposed and eroding tan to light brown sandstone and shale bedrock dominates the Willow Creek Canyon landscape. Vegetation consists of tall greasewood, low sagebrush, saltbush, rabbitbrush, bunchgrasses (wheatgrass, cheat grass, Indian rice-grass), barrel and prickly pear cactus. The proposed well location is 5038.08 feet (1536 m) AMSL.

As mentioned above, the proposed LCU #15-2H well will be directionally drilled from the existing LCU #14-2H well pad. Therefore, the LCU #15-2H well's proposed access and pipeline is the road and pipeline associated with the LCU #14-2H well pad.

The LCU #14-2H well's access is the existing Willow Creek Canyon road that is located adjacent immediately east of the proposed well pad. The proposed pipeline leaves the proposed well pad and follows along the western side of the existing Willow Creek Canyon road north 1200 feet (365.9 m) to a two track road. The pipeline then turns west and continues 1000 feet (304.8 m), across the Willow Creek floodplain, to an existing surface pipeline. Sediments along the access and pipeline have been disturbed by previous road construction and cyclic maintenance. The undisturbed sediments along the Willow Creek Canyon road are shallow (< 25 cm) and consists of poorly sorted, loosely compacted, sandy clay loam. Rock fall boulders from the canyon walls can be found along the road. Vegetation along the access and pipeline consists of tall greasewood, low sagebrush, rabbitbrush, saltbush, Russian thistle, bunchgrasses (wheatgrass, cheat grass, Indian rice-grass), and prickly pear cactus.

Field Methods

A total of 10 acres was surveyed around the centerstake of the proposed LCU #15-2H well location to allow for relocation of the pad if necessary. The survey was accomplished by walking transects spaced no more than 15 meters apart. The proposed

access is the existing Willow Creek Canyon road that is located within the 10 acre area surveyed around the proposed well centerstake. Thus, 0 linear acres was surveyed.

Geologic landforms (rockshelters, alcoves, ridge tops and saddles) and areas of subsurface exposure (ant hills, blowouts, rodent holes and burrow, eroding slopes and cutbanks) were examined with special care in order to locate cultural resources (sites, isolates) and possibly help assess a site's sedimentary integrity and potential for the presence and/or absence of buried intact cultural deposits. All exposures of sandstone cliff faces, alcoves or rockshelters, and talus slopes were surveyed.

When cultural materials are discovered, a more thorough survey of the immediate vicinity is conducted in order to locate any associated artifacts and to determine the horizontal extent (surface area) of the site. If no other artifacts are located during the search then the initial artifact was recorded as an isolated find. At times, isolated formal tools (typical end scrapers, projectile points) were drawn and measured. The isolate was then described and its location plotted on a U.S.G.S. topographic map and UTM coordinates are recorded.

When sites are found an Intermountain Antiquities Computer System (IMACS) form was used to record the site. At all sites, selected topographic features, site boundaries, stone tools and cultural features (hearths, foundations, trash dumps and trails) are mapped. Sites were mapped with a Brunton compass, Trimble Geophysical 3 and/or Garmin E-Trex GPS units, and pacing off distances from a mapping station (datum, PVC with aluminum tag). All debitage is inventoried using standard recording techniques (Truesdale et al 1995:7) according to material type, basic flake type, and so on. Selected (mostly complete) stone tools and projectile points are drawn and measured. All features (rockart panel(s), hearths, foundations, trash dumps and trails) are measured and described, while selected features are either drawn or photographed.

Site location data is recorded by a Trimble GeoExplorer 3 Global Positioning System (GPS) and Garmin GPS III Plus and/or a E-Trex GPS. Site elevation and Universal Transverse Mercator (UTM) grid data, its Estimated Position Error (EPE) and Dilution of Precision (DOP) were recorded. Using the GPS data, the site location was then placed on a USGS 7.5' quadrangle map.

Results

A total of 10 (10 block, 0 linear) acres were surveyed for cultural resources by AIA within and around the proposed Dominion Exploration & Production, Inc. Little Canyon Unit (LCU) #15-2H well, and along its access and pipeline. The proposed Little Canyon Unit #15-2H well will be directionally drilled from the existing LCU #14-2H well pad. The LCU #14-2H well was surveyed by

AIA in 2006 (Truesdale 2006). A copy of this report can be found in appendix A.

As mentioned above, the proposed LCU #15-2H well will be directionally drilled from the existing LCU #14-2H well pad. Therefore, the LCU #15-2H well's proposed access and pipeline is the road and pipeline associated with the LCU #14-2H well pad.

No cultural materials (sites and/or isolates) were recorded during the survey for the Proposed LCU #15-2H well pad, its access and pipeline.

A moderate scatter of modern trash (plastic bottles, sanitary food cans, miscellaneous metal, wire, green, brown and clear glass bottles and bottle fragments, foam insulation, etc.) can be found on and surrounding the existing well pads and along the existing oil and gas field service roads in the Little Canyon Unit area.

Recommendations

A total of 10 (10 block, 0 linear) acres were surveyed for cultural resources by AIA within and around the proposed Dominion Exploration & Production, Inc. Little Canyon Unit #15-2H well, and along its access and pipeline.

The proposed Little Canyon Unit #15-2H well will be directionally drilled from the existing LCU #14-2H well pad. The LCU #14-2H well was surveyed by AIA in 2006 (Truesdale 2006). A copy of this report can be found in appendix A.

As mentioned above, the proposed LCU #15-2H well will be directionally drilled from the existing LCU #14-2H well pad. Therefore, the LCU #15-2H well's proposed access and pipeline is the road and pipeline associated with the LCU #14-2H well pad.

No cultural materials (sites and/or isolates) were recorded during the survey for the Proposed LCU #15-2H well pad, its access and pipeline.

A moderate scatter of modern trash (plastic bottles, sanitary food cans, miscellaneous metal, wire, green, brown and clear glass bottles and bottle fragments, foam insulation, etc.) can be found on and surrounding the existing well pads and along the existing oil and gas field service roads in the Little Canyon Unit area.

Sediments on and surrounding the proposed well pad, and along its access and pipeline are shallow to moderately deep. However, the possibility of buried and/or intact cultural materials on the proposed well pad or along its access and pipeline is low. No additional cultural resources (historic properties, isolates) were recorded during the survey for the proposed LCU #15-2H well, its access and pipeline. Therefore, no additional archaeological work is necessary and clearance is

recommended for the construction of the Little Canyon Unit #15-2H well pad, its access, and pipeline.

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Stokes, William D.

1986 Geology of Utah. Contributions by the Utah Museum of Natural History, and the Utah Geological and Mineral Survey Department of Natural Resources. Utah Museum of Natural History, Occasional Papers, No. 6.

Thornbury, William D.

1965 Regional Geomorphology of the United States. John Wiley & Sons, Inc.

Truesdale, James A.

2006 Dominion Exploration & Production, Inc. Little Canyon Unit #14-2H: A Cultural Resource Inventory for a well pad, its access and pipeline, Uintah County, Utah. Report prepared for DEPI by AIA. Manuscript is on file at the AIA office in Laramie, Wyoming.

Truesdale, James A., Kathleen E Hiatt, and Clifford Duncan

1995 Cultural Resource Inventory of the Proposed Ouray Gravel Pit Location, Uintah-Ouray Ute Reservation, Uintah County, Utah. Report prepared for U & W Construction, Ft. Duchesne, Utah by AIA, Laramie, Wyoming.

Appendix A

AIA Original Report
Dominion Exploration and Production, Inc.,
Little Canyon Unit #14-2H:
A Cultural Resource Inventory for a well,
its access and pipeline,
Uintah County, Utah.

Utah Project Number U-06-AY-157(s)
June 8, 2006

Dominion Exploration & Production, Inc.
Little Canyon Unit #14-2H: A Cultural
Resource Inventory for a well
its access and pipeline,
Uintah County, Utah.

By
James A. Truesdale

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Principal Investigator

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Utah Project # U-06-AY-157(s)

June 8, 2006

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Introduction

An Independent Archaeologist (AIA) was contacted by a representative of Dominion Exploration & Production, Inc., to conduct a cultural resources investigation of the proposed Little Canyon Unit (LCU) #14-2H well, its access and pipeline. The location of the project area is the SE/SW 1/4 of Section 12 T11S, R20E Uintah County, Utah (Figure 1).

The proposed LCU #14-2H well's centerstake footage (Alternate #1) is 250' FSL, 2051' FWL. The proposed LCU #14-2H well's centerstake Universal Transverse Mercator (UTM) centroid coordinate is Zone 12, North American Datum (NAD) 83, 06/15/332.32 mE 44/14/635.53 mN \pm 5m.

The proposed access is the existing Willow Creek Road that trends north to south across the eastern side of the proposed LCU #14-2H well pad. The pipeline trends north 500 feet (162.8 m) along the western side of the Willow Creek Canyon road to an existing two track road, then turns west and continue an additional 1000 feet (304.8 m) to an surface pipeline.

The surface and minerals of Section 2 T11S R20E is administered by the Utah School Institutional Trust Land Administration (SITLA). A total of 13.44 acres (10 block, 3.44 linear) was surveyed. The fieldwork was conducted on June 16, 2006 by AIA archaeologists James Truesdale and CJ Truesdale. All the field notes and maps are located in the AIA office in Laramie, Wyoming.

File Search

A file search was conducted by the Office of the Utah Division of State History (UDSH), Antiquities Section, Records Division on February 20, 2006. An additional file search was conducted at the Vernal BLM office in March of 2006 by the author. An update of AIA's USGS 7.5'/1968 (photorevised 1987) Big Pack Mountain NW quadrangle map from the UDSH's Big Pack Mountain NW quadrangle base map occurred on November 8, 2003 and again on February 3, 2004. The UDSH SHPO GIS file search reported that one previous project (U-04-AY-246) had been conducted in the general area (Section 2 of T11S R20E). No cultural resources had been recorded during this previous project.

After review of AIA base maps and cultural records, no additional projects and/or cultural materials (sites, isolates) have been previously recorded in the immediate project area.

Environment

Physiographically, the project is located in the Little Canyon Unit in the Uinta Basin, 14 miles south of Ouray, Utah. The Uinta Basin is structurally the lowest part of the Colorado

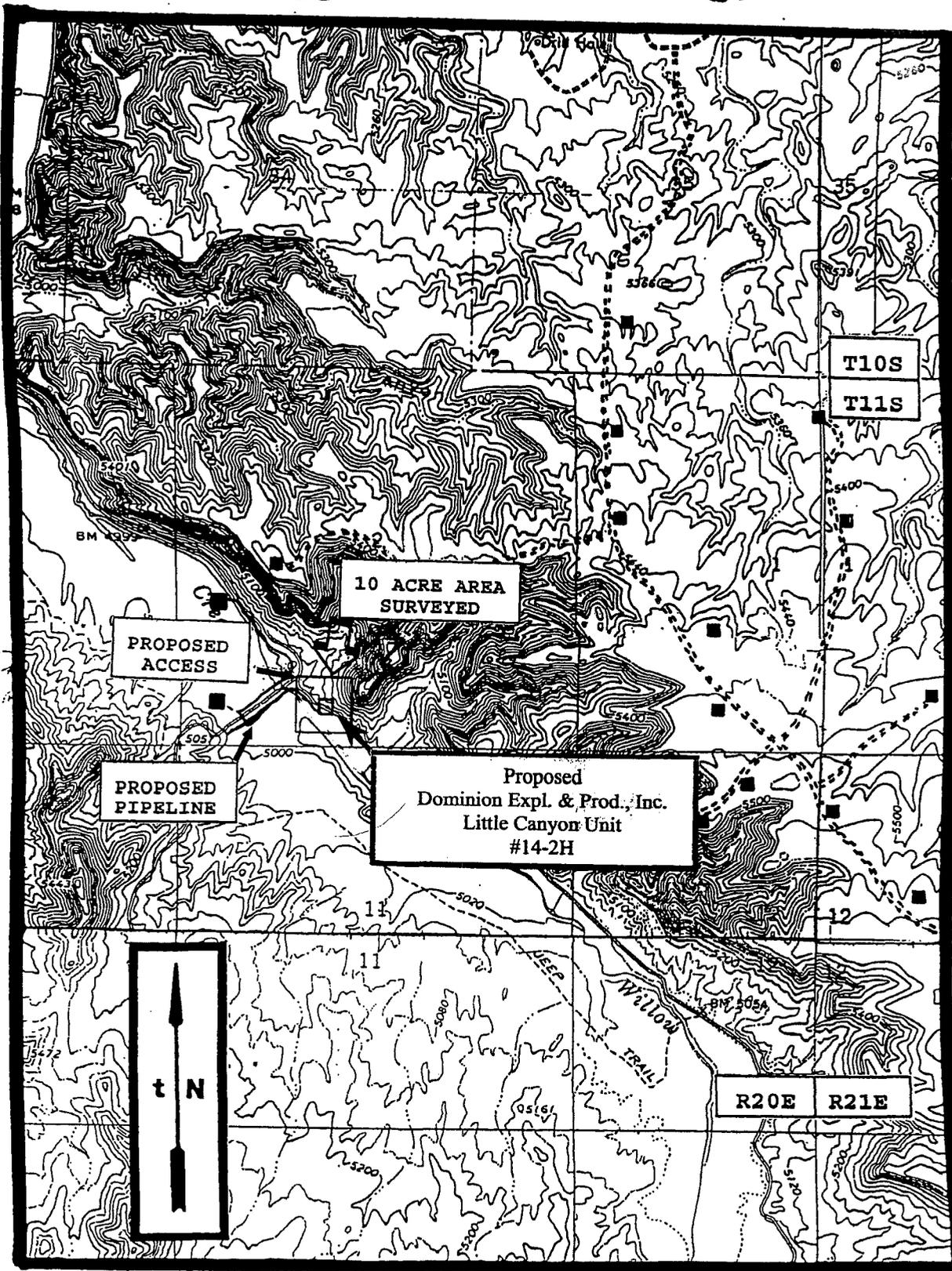


Figure 1. Location of the proposed Dominion Expl. & Prod., Inc.'s Little Canyon Unit (LCU) #14-2H well, its access and pipeline on 7.5'/1968 USGS quadrangle maps Big Pack mountain, Big Pack Mountain NE, Big Pack Mountain NW and Big Pack Mountain SE, Uintah County, Utah.

Plateau geographical province (Thornbury 1965:425). The Uinta basin is a large, relatively flat, bowl shaped, east-west asymmetrical syncline near the base of the Uinta Mountains. The topography is characteristic of sloping surfaces that incline northward and are mainly dip slopes on the harder layers of Green River and Uinta Formations (Stokes 1986).

A thick section of more than 9000 feet (2743.9 m) of early Tertiary rocks are exposed (Childs 1950). These rocks are mainly Paleocene and Eocene in age and consist of sandstone, clay and shale lacustrine, fluviatile, and deltaic continental deposits, most famous of which are the lacustrine Green River Beds.

The immediate project area is situated on in the Willow Creek Canyon. The area is characterized as having steep ridges and/or buttes of relatively thick Uinta Formation sandstone, with thinner layers of clays and shale. The hills, ridges and buttes are dissected by several steep sided ephemeral drainage washes with wide flat alluvial plains. Portions of the desert hardpan and bedrock are covered with various sizes of residual angular to tabular pieces of eroding sandstone, clay and shale. Many of the higher hills and ridges exhibit ancient terrace (pediment) surfaces containing pebble and cobble gravel. Some of these pebbles and cobbles exhibit a dark brown to black desert varnish (patination). In addition, many of the hills and ridge slopes are covered with aeolian sand that may reach a depth of 100 to 150 cm.

Vegetation in the Little Canyon Unit area is characteristic of a low sagebrush community with shad scale and greasewood. Species observed in the project area include; big sagebrush (Artemesia tridentata), shadscale (Atriplex confertifolia), saltbush (Atriplex nuttallii), rabbitbrush (Chrysothamnus viscidiflorus), winterfat (Eurotia lanata), greasewood (Sarcobatus baileyi), wild buckwheat, (Erigonum ovvalifolium), desert trumpet (Erigonum inflatum), Indian rice grass (Oryzopsis hymenoides), western wheatgrass (Agropyron smithii), spiked wheatgrass (Agropyron sp.), crested wheatgrass (Agropyron cristatum), June grass (Koeleria cristata), cheat grass (Bromus tectorum), desert globemallow (Bromus tectorum), lupine (Lupinus sp.), larkspur (Delphinium sp.), Indian paintbrush (Castilleja chromosa), peppergrass (Lepidium perfoliatum), scalloped phacelia (Phacelia intergrifoliana), birdsage evening primrose (Oenothera deltoides), Russian thistle (Salsola kali), Russian knapweed (Centaurea repens), and prickly pear cactus (Opuntia sp.). In addition, a riparian community dominated by tall greasewood, cottonwood (Populus sp.), willow (Salix sp.), and salt cedar (tamerix) can be found along the Willow Creek Canyon bottom.

Little Canyon Unit (LCU) #14-2H

The proposed LCU #14-2H well pad is situated in the bottom of Willow Creek Canyon in the Willow Creek floodplain (Figure 2). The Willow Creek Canyon road is adjacent immediately east of the proposed well pad. The sediments on the well location are alluvial in nature. These alluvial deposits consist of moderately deep (≤ 1.5 m), tan to light brown, finely to poorly sorted, moderately compacted, sandy clay and clay loam, mixed with small to large angular pieces of fluvial sandstone, clay and shale (Figure 3). Exposed and eroding tan to light brown sandstone and shale bedrock dominates the Willow Creek Canyon landscape. Vegetation consists of tall greasewood, low sagebrush, saltbush, rabbitbrush, bunchgrasses (wheatgrass, cheat grass, Indian ricegrass), barrel and prickly pear cactus. The proposed well location is 5038.08 feet (1536 m) AMSL.



Figure 2. View to southwest at the proposed LCU #14-2H centerstake and well pad area.

The proposed access is the existing Willow Creek Canyon road that is located adjacent immediately east of the proposed well pad. The proposed pipeline leaves the proposed well pad and follows along the western side of the existing Willow Creek Canyon road north 1200 feet (365.9 m) to a two track road. The pipeline then turns west and continues 1000 feet (304.8 m), across the

Willow Creek floodplain, to an existing surface pipeline. Sediments along the access and pipeline have been disturbed by previous road construction and cyclic maintenance. The undisturbed sediments along the Willow Creek Canyon road are shallow (< 25 cm) and consists of poorly sorted, loosely compacted, sandy clay loam. Rock fall boulders from the canyon walls can be found along the road. Vegetation along the access

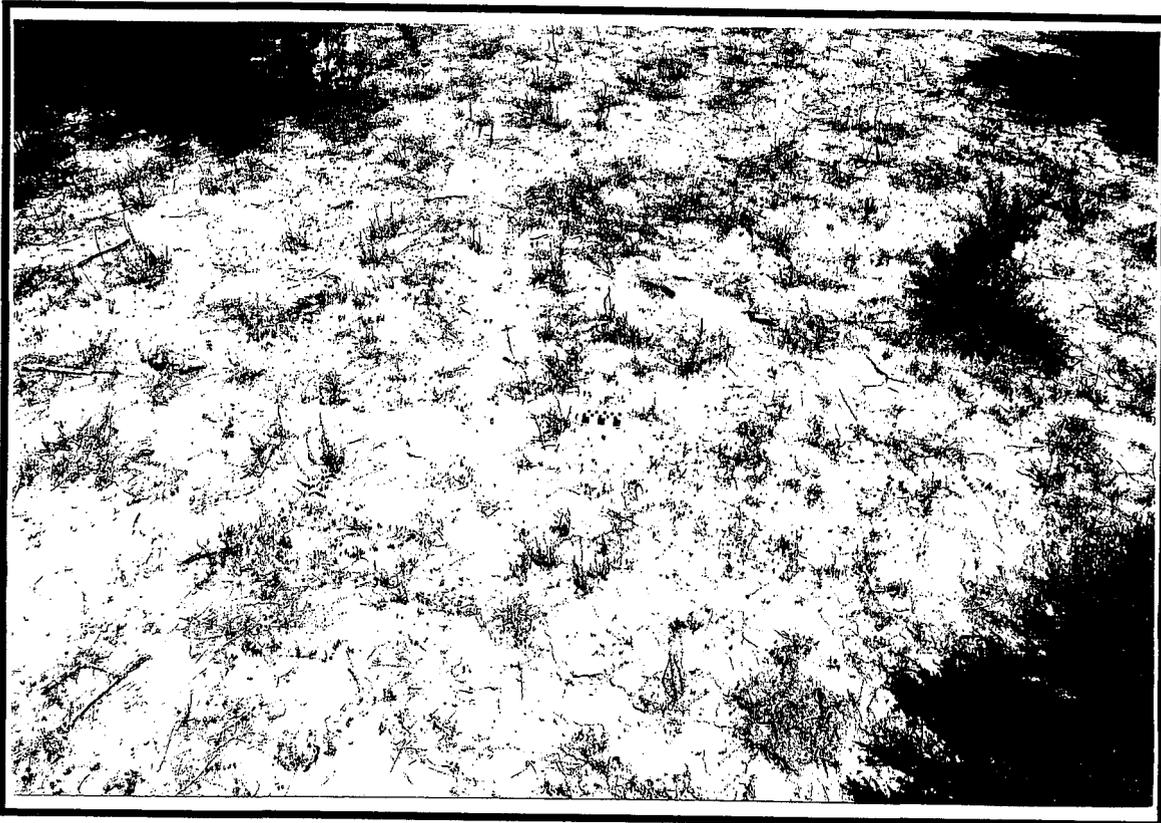


Figure 3. Oblique view of the colluvial deposits on and surrounding the proposed LCU #14-2H well pad area.

and pipeline consists of tall greasewood, low sagebrush, rabbitbrush, saltbush, Russian thistle, bunchgrasses (wheatgrass, cheat grass, Indian rice-grass), and prickly pear cactus.

Field Methods

A total of 10 acres was surveyed around the centerstake of the proposed LCU #14-2H well location to allow for relocation of the pad if necessary. The survey was accomplished by walking transects spaced no more than 15 meters apart. The proposed access is the existing Willow Creek Canyon road that is located within the 10 acre area surveyed around the proposed well centerstake. The proposed pipeline linear corridor surveyed is 1500 feet (457.3 m) long and 100 feet (30.4 m) wide, 3.44 acres. Therefore 0 linear acres was surveyed for the proposed access. Thus, 2.98 linear acres was surveyed.

Geologic landforms (rockshelters, alcoves, ridge tops and saddles) and areas of subsurface exposure (ant hills, blowouts, rodent holes and burrow, eroding slopes and cutbanks) were examined with special care in order to locate cultural resources (sites, isolates) and possibly help assess a site's sedimentary integrity and potential for the presence and/or absence of buried intact cultural deposits. All exposures of sandstone cliff faces, alcoves or rockshelters, and talus slopes were surveyed.

When cultural materials are discovered, a more thorough survey of the immediate vicinity is conducted in order to locate any associated artifacts and to determine the horizontal extent (surface area) of the site. If no other artifacts are located during the search then the initial artifact was recorded as an isolated find. At times, isolated formal tools (typical end scrapers, projectile points) were drawn and measured. The isolate was then described and its location plotted on a U.S.G.S. topographic map and UTM coordinates are recorded.

When sites are found an Intermountain Antiquities Computer System (IMACS) form was used to record the site. At all sites, selected topographic features, site boundaries, stone tools and cultural features (hearths, foundations, trash dumps and trails) are mapped. Sites were mapped with a Brunton compass, Trimble Geophysical 3 and/or Garmin E-Trex GPS units, and pacing off distances from a mapping station (datum, PVC with aluminum tag). All debitage is inventoried using standard recording techniques (Truesdale *et al* 1995:7) according to material type, basic flake type, and so on. Selected (mostly complete) stone tools and projectile points are drawn and measured. All features (rockart panel(s), hearths, foundations, trash dumps and trails) are measured and described, while selected features are either drawn or photographed.

Site location data is recorded by a Trimble GeoExplorer 3 Global Positioning System (GPS) and Garmin GPS III Plus and/or a E-Trex GPS. Site elevation and Universal Transverse Mercator (UTM) grid data, its Estimated Position Error (EPE) and Dilution of Precision (DOP) were recorded. Using the GPS data, the site location was then placed on a USGS 7.5' quadrangle map.

Results

A total of 13.44 (10 block, 3.44 linear) acres were surveyed for cultural resources by AIA within and around the proposed Dominion Exploration & Production, Inc. Little Canyon Unit (LCU) #14-2H well, and along its access and pipeline. No cultural materials (sites and/or isolates) were recorded during the survey for the Proposed LCU #14-2H well pad, its access and pipeline.

A moderate scatter of modern trash (plastic bottles, sanitary food cans, miscellaneous metal, wire, green, brown and clear glass

bottles and bottle fragments, foam insulation, etc.) can be found on and surrounding the existing well pads and along the existing oil and gas field service roads in the Little Canyon Unit area.

No additional cultural resources (sites, isolates) were recorded during the survey for the proposed LCU #4-12H well, its access and pipeline.

Recommendations

A total of 13.44 (10 block, 3.44 linear) acres were surveyed for cultural resources by AIA within and around the proposed Dominion Exploration & Production, Inc. Little Canyon Unit #14-2H well, and along its access and pipeline

A moderate scatter of modern trash (plastic bottles, sanitary food cans, miscellaneous metal, wire, green, brown and clear glass bottles and bottle fragments, foam insulation, etc.) can be found on and surrounding the existing well pads and along the existing oil and gas field service roads in the Little Canyon Unit area.

Sediments on and surrounding the proposed well pad, and along its access and pipeline are shallow to moderately deep. However, the possibility of buried and/or intact cultural materials on the proposed well pad or along its access and pipeline is low. No additional cultural resources (historic properties, isolates) were recorded during the survey for the proposed LCU #14-2H well, its access and pipeline. Therefore, no additional archaeological work is necessary and clearance is recommended for the construction of the Little Canyon Unit #14-2H well pad, its access, and pipeline.

REFERENCES CITED

Childs, O.E.

1950 Geologic history of the Uinta Basin, Utah Geological and Mineralogical Survey. Guidebook to the Geology of Utah, No. 5:49-59.

Stokes, William D.

1986 Geology of Utah. Contributions by the Utah Museum of Natural History, and the Utah Geological and Mineral Survey Department of Natural Resources. Utah Museum of Natural History, Occasional Papers, No. 6.

Thornbury, William D.

1965 Regional Geomorphology of the United States. John Wiley & Sons, Inc.

Truesdale, James A., Kathleen E Hiatt, and Clifford Duncan

1995 Cultural Resource Inventory of the Proposed Ouray Gravel Pit Location, Uintah-Ouray Ute Reservation, Uintah County, Utah. Report prepared for U & W Construction, Ft. Duchesne, Utah by AIA, Laramie, Wyoming.

PALEONTOLOGY EVALUATION SHEET

PROJECT: Dominion Wells LCU #14-2H & LCU #15-2H

LOCATION: Fifteen miles south of Ouray, Utah. SE ¼ SW ¼, Section 2, T11S, R20E, Uintah County, Utah.

OWNERSHIP: PRIV[] STATE[X] BLM[] USFS[] NPS[] IND[] MIL[] OTHER[]

DATE: March 9, 2007

GEOLOGY/TOPOGRAPHY: Canyon walls in surrounding area are of the Green River Formation, upper part, upper Eocene age. The proposed well location, road, and pipeline are on alluvium of the Willow Creek Valley, adjacent to the main road.

PALEONTOLOGY SURVEY: YES [] NO Survey [X] PARTIAL Survey []

SURVEY RESULTS: Invertebrate [] Plant [] Vertebrate [] Trace [] No Fossils Found [X]

PALEONTOLOGY SENSITIVITY: HIGH [] MEDIUM [] LOW [X] (PROJECT SPECIFIC)

MITIGATION RECOMMENDATIONS: NONE [X] OTHER [] (SEE BELOW)

There is always some potential for discovery of significant paleontological resources in the Green River Formation. If significant vertebrate fossils (mammals, crocodiles, complete turtle shells, fish, etc.) are encountered during construction, work should stop in that area and a paleontologist should be contacted to evaluate the material discovered.

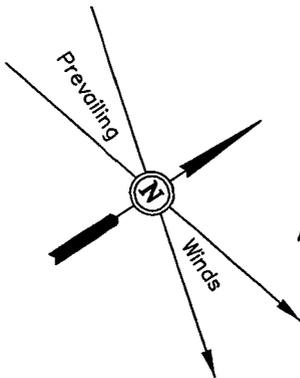
PALEONTOLOGIST: Alden H. Hamblin

*A.H. Hamblin Paleontological Consulting, 3793 N. Minersville Highway, Cedar City, Utah 84720 (435) 867-8355
Utah State Paleontological Permit # 04-339, BLM paleontological Resources Permit # UT-S-05-02,
Ute Tribe Access Permits – 09/30/06 & 03/31/07. Utah Professional Geologist License – 5223011-2250.*

XTO ENERGY, INC.

LOCATION LAYOUT FOR

LCU #14-2H & #15-2H
SECTION 2, T11S, R20E, S.L.B.&M.
SE 1/4 SW 1/4



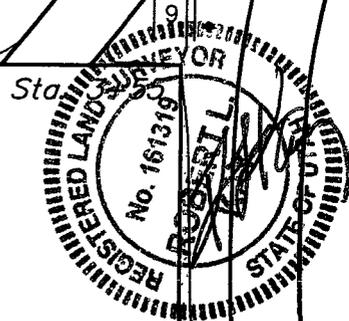
F-0.4'
El. 5003.2'

Approx.
Toe of
Fill Slope

Proposed Access
Road

F-0.1'
El. 5003.5'

Topsail Stockpile



SCALE: 1" = 50'
DATE: 04-05-06
Drawn By: L.K.
Rev: 12-11-06 K.G.
Rev: 02-11-08 L.K.

Total Pit Capacity
W/2' of Freeboard
= 10,280 Bbls. ±
Total Pit Volume
= 2,910 Cu. Yds.

Existing
Drainage

El. 5004.0'
C-10.4'
(btm. pit)

FLARE PIT
El. 5003.7'
C-0.1'

El. 5003.8'
C-0.2'

C-0.1'
El. 5003.7'

El. 5003.6'
GRADE

GRADE
El. 5003.6'

El. 5004.8'
C-1.2'

C-1.1'
El. 5004.7'

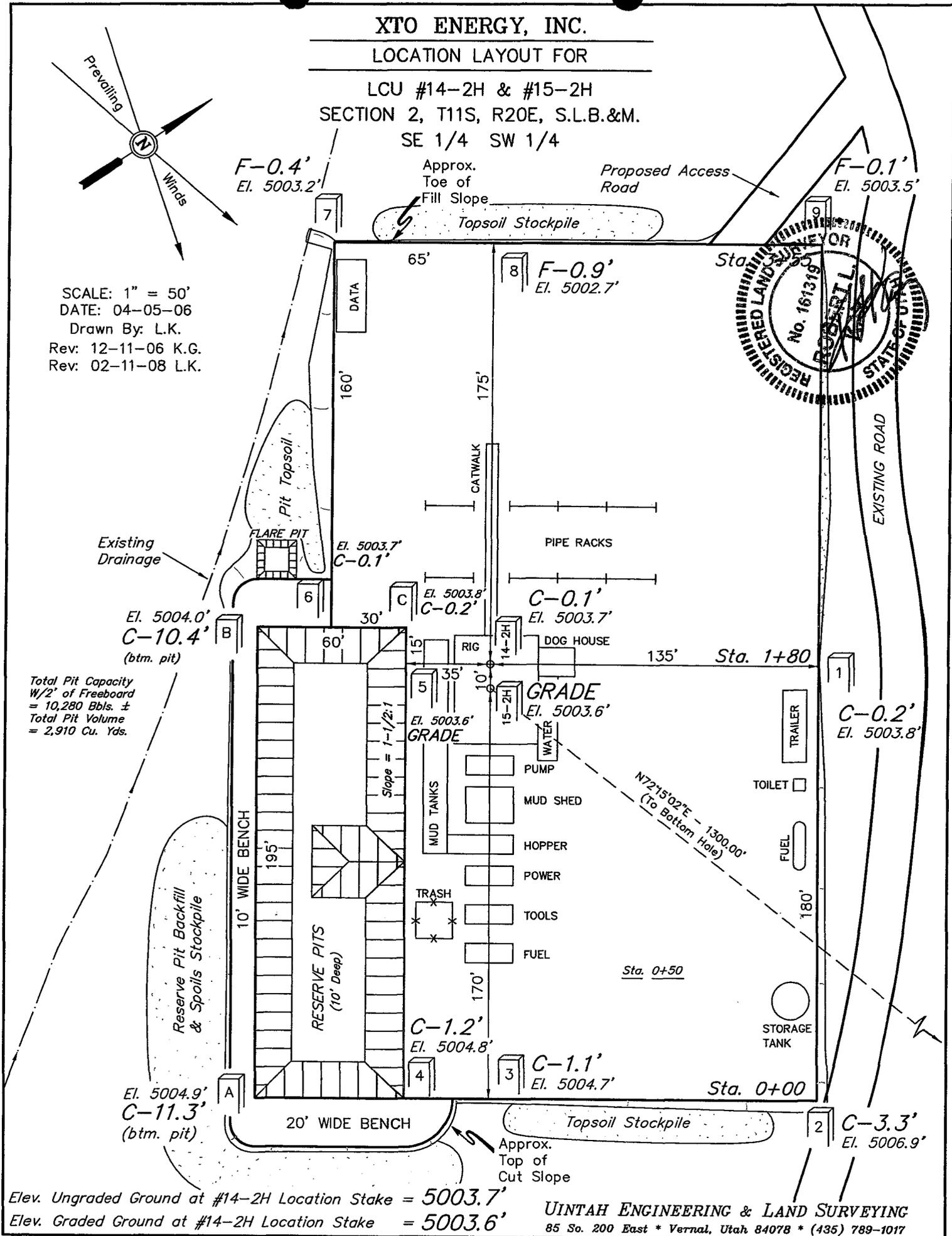
C-0.2'
El. 5003.8'

El. 5004.9'
C-11.3'
(btm. pit)

C-3.3'
El. 5006.9'

Elev. Ungraded Ground at #14-2H Location Stake = 5003.7'
Elev. Graded Ground at #14-2H Location Stake = 5003.6'

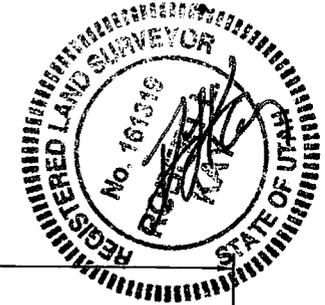
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017



XTO ENERGY, INC.

TYPICAL CROSS SECTIONS FOR

LCU #14-2H & #15-2H
SECTION 2, T11S, R20E, S.L.B.&M.
SE 1/4 SW 1/4



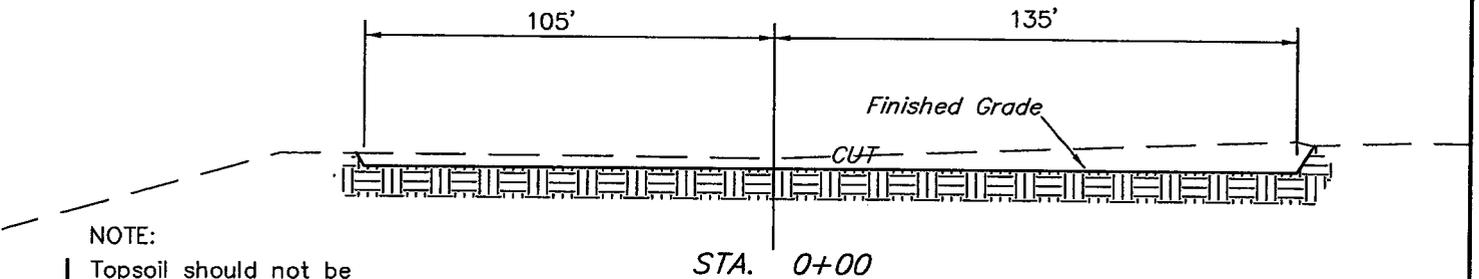
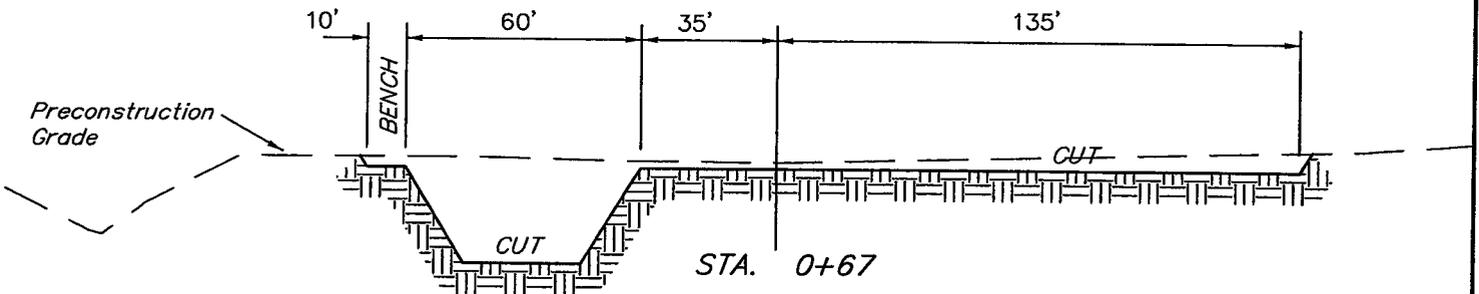
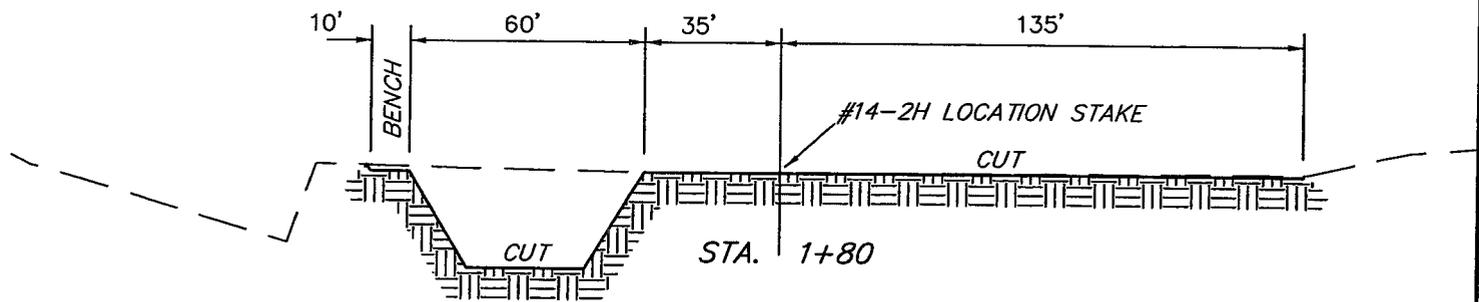
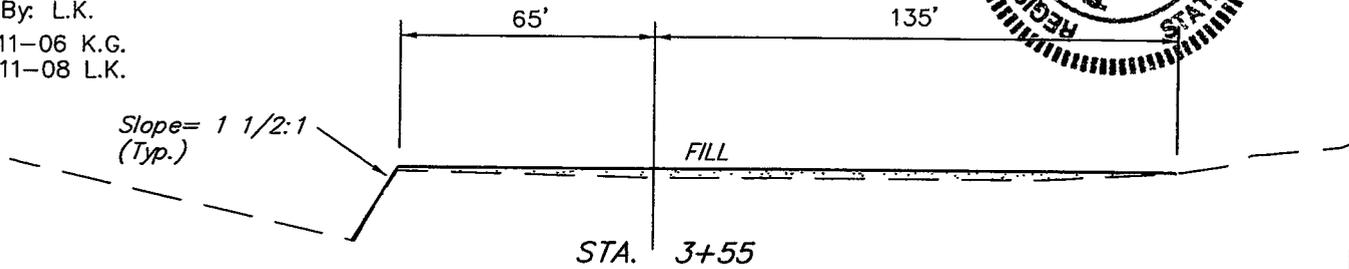
1" = 20'
X-Section
Scale
1" = 50'

DATE: 04-05-06

Drawn By: L.K.

Rev: 12-11-06 K.G.

Rev: 02-11-08 L.K.



NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

*** NOTE:**

FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping = 1,610 Cu. Yds.

Remaining Location = 4,190 Cu. Yds.

TOTAL CUT = 5,800 CU.YDS.

FILL = 1,570 CU.YDS.

EXCESS MATERIAL = 4,230 Cu. Yds.

Topsoil & Pit Backfill = 3,070 Cu. Yds.
(1/2 Pit Vol.)

EXCESS UNBALANCE = 1,160 Cu. Yds.
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING

85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

XTO ENERGY, INC.
LCU #14-2H & #15-2H
 LOCATED IN UINTAH COUNTY, UTAH
 SECTION 2, T11S, R20E, S.L.B.&M.

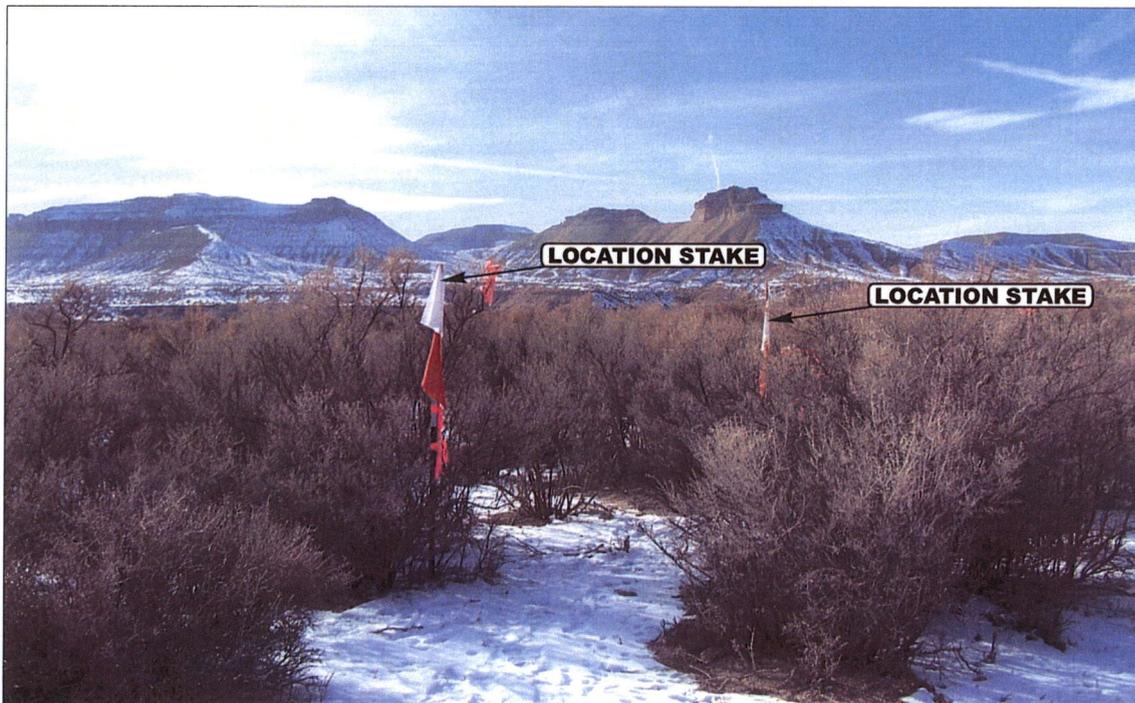


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: WESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

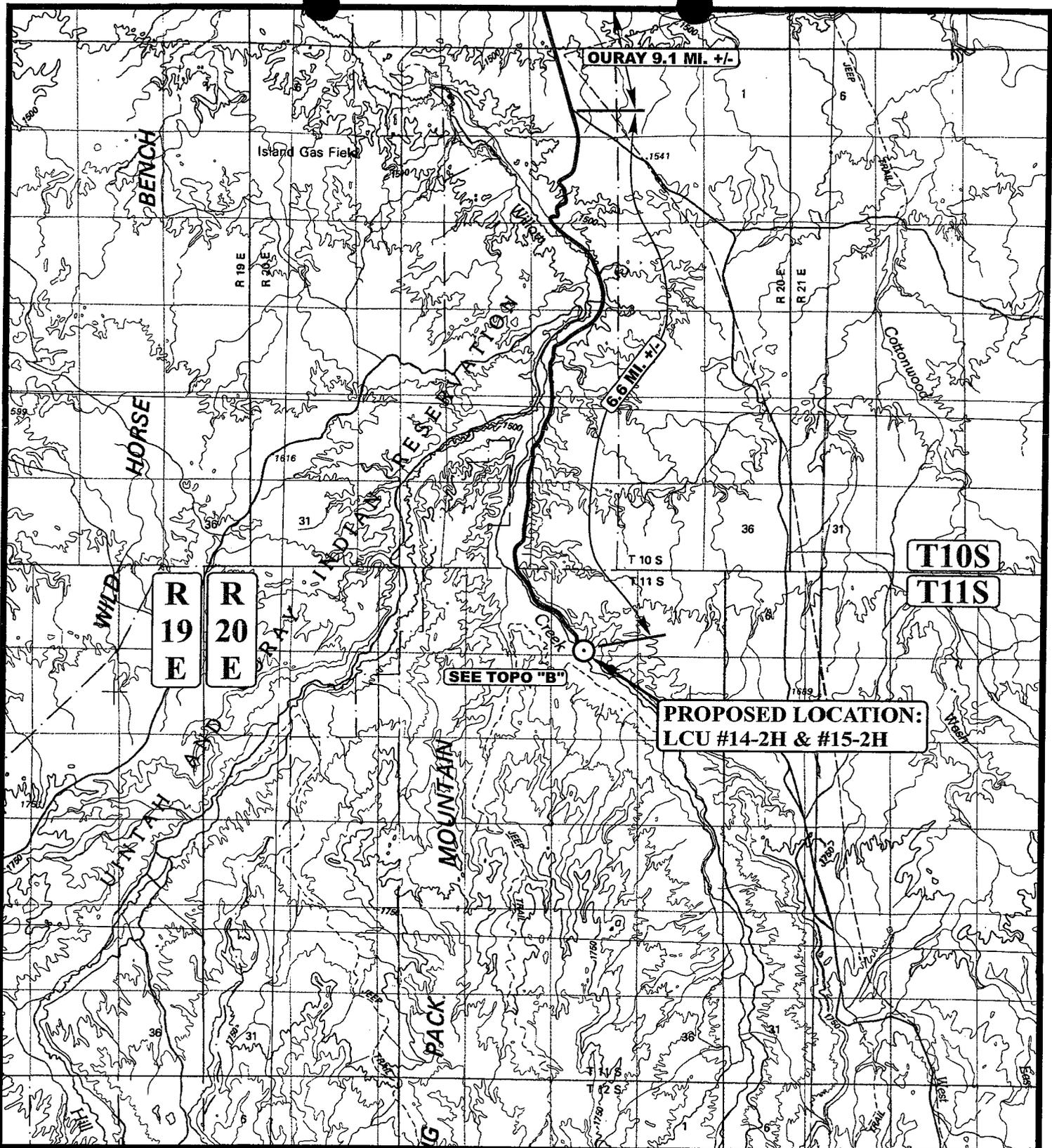
CAMERA ANGLE: SOUTHERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 435-789-1017 uels@uelsinc.com

LOCATION PHOTOS			04	03	06	PHOTO
			MONTH	DAY	YEAR	
TAKEN BY: B.B.	DRAWN BY: B.C.	REV: 02-11-08 L.K.				



LEGEND:

○ PROPOSED LOCATION

XTO ENERGY, INC.

LCU #14-2H & #15-2H
 SECTION 2, T11S, R20E, S.L.B.&M.
 SE 1/4 SW 1/4



Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC
 MAP

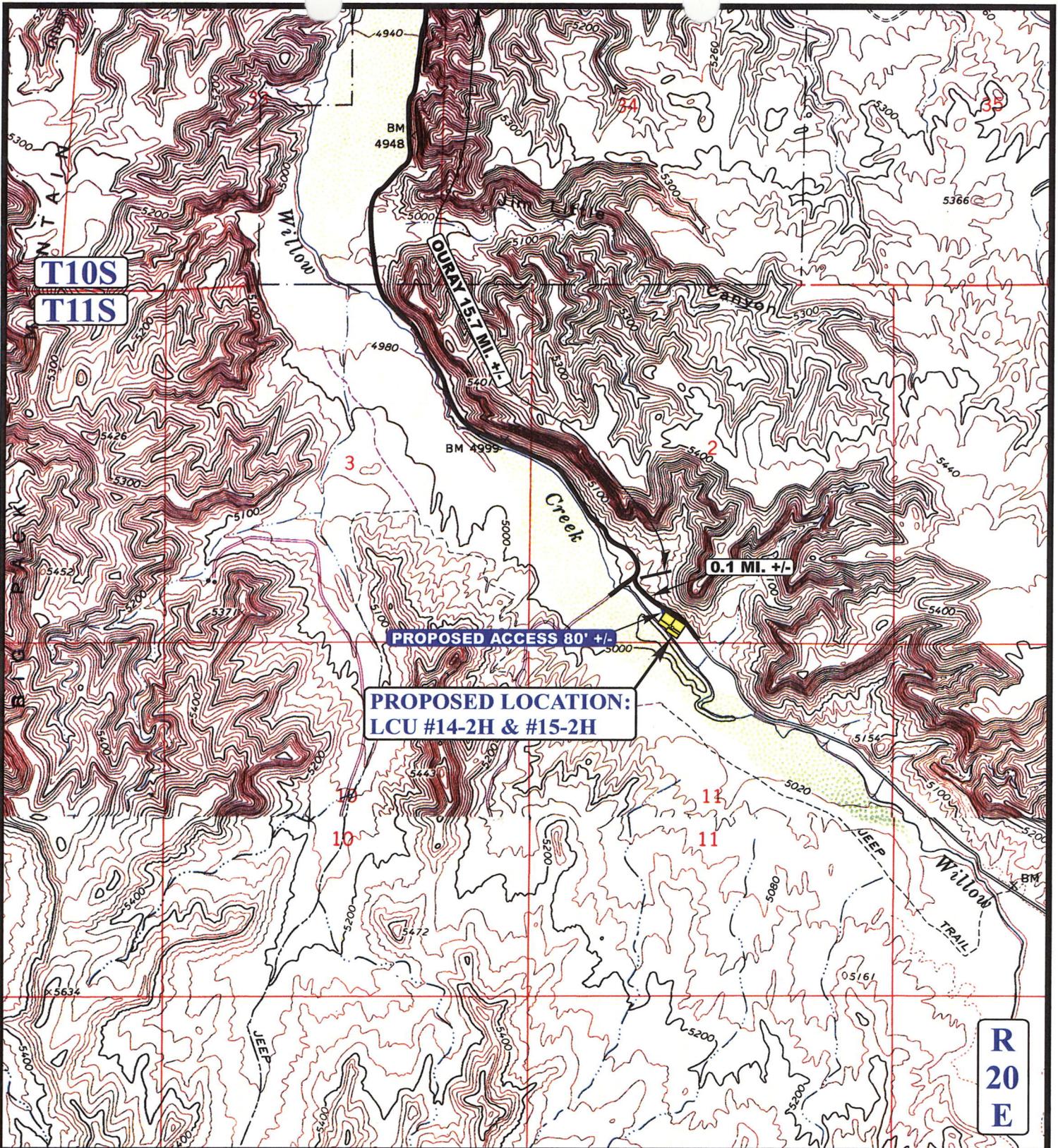
04	03	06
MONTH	DAY	YEAR

SCALE: 1:100,000

DRAWN BY: B.C.

REV: 02-11-08 L.K.





LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD

U
E
S

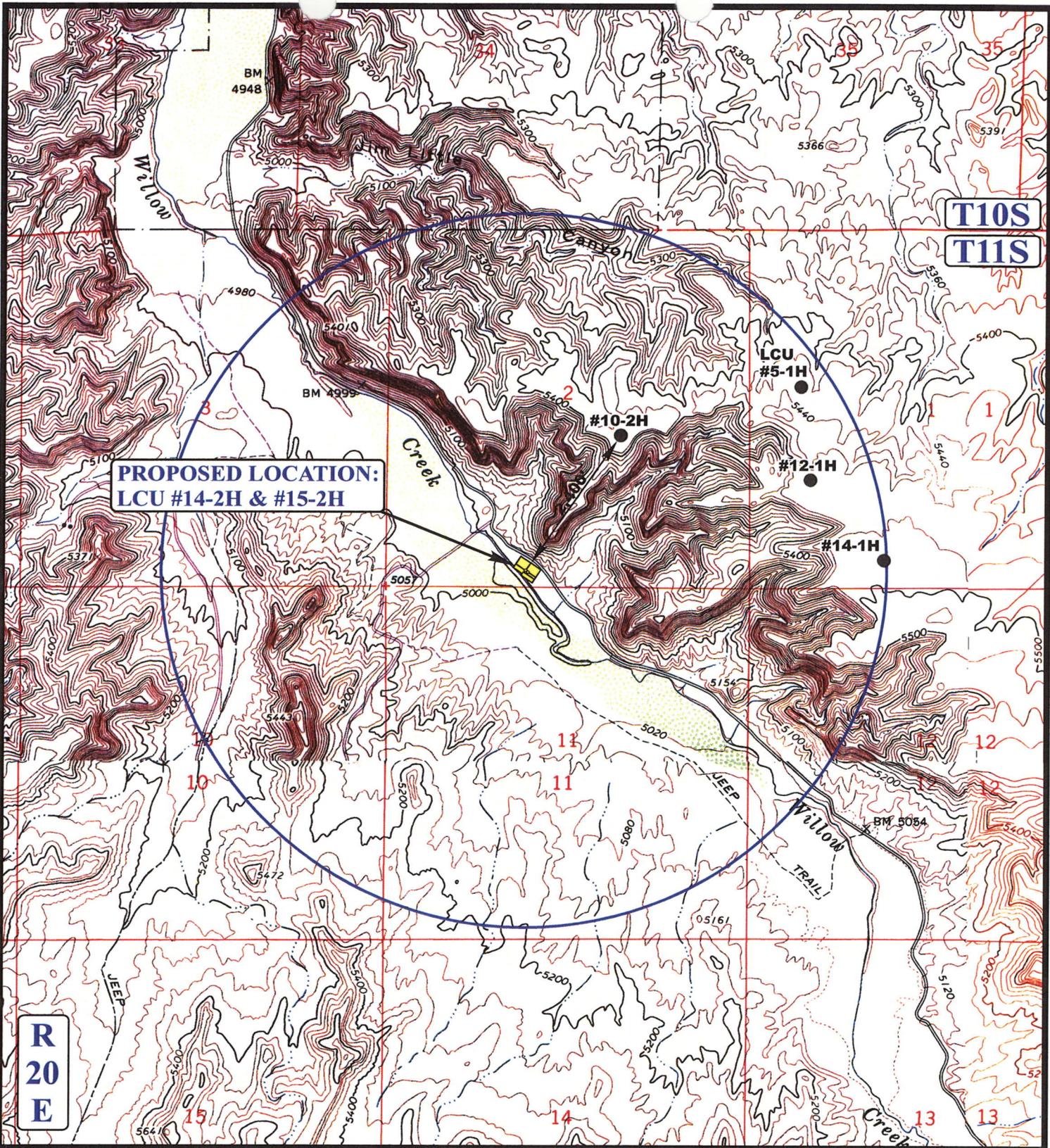
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



XTO ENERGY, INC.

LCU #14-2H & #15-2H
SECTION 2, T11S, R20E, S.L.B.&M.
SE 1/4 SW 1/4

TOPOGRAPHIC	04	03	06	B
MAP	MONTH	DAY	YEAR	
SCALE: 1" = 2000'	DRAWN BY: B.C.		REV: 02-11-08 L.K.	TOPO



**PROPOSED LOCATION:
LCU #14-2H & #15-2H**

**T10S
T11S**

**R
20
E**

LEGEND:

- | | |
|-------------------|-------------------------|
| ⊗ DISPOSAL WELLS | ⊗ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ● SHUT IN WELLS | ● TEMPORARILY ABANDONED |



XTO ENERGY, INC.

**LCU #14-2H & #15-2H
SECTION 2, T11S, R20E, S.L.B.&M.
SE 1/4 SW 1/4**



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
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**TOPOGRAPHIC
MAP**

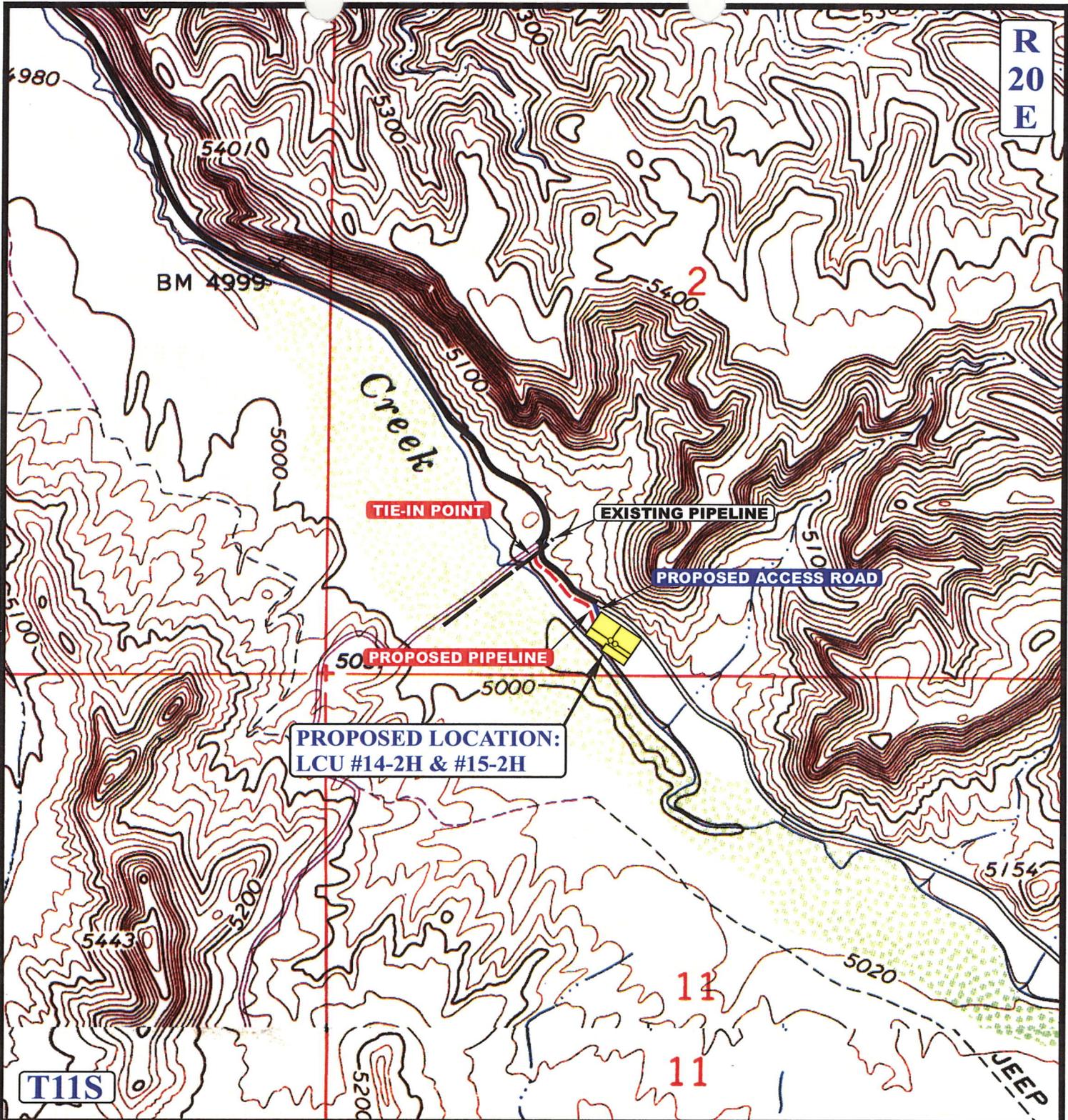
04 03 06
MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: B.C. REV: 02-11-08 L.K.



R
20
E



APPROXIMATE TOTAL PIPELINE DISTANCE = 614' +/-

LEGEND:

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE

XTO ENERGY, INC.

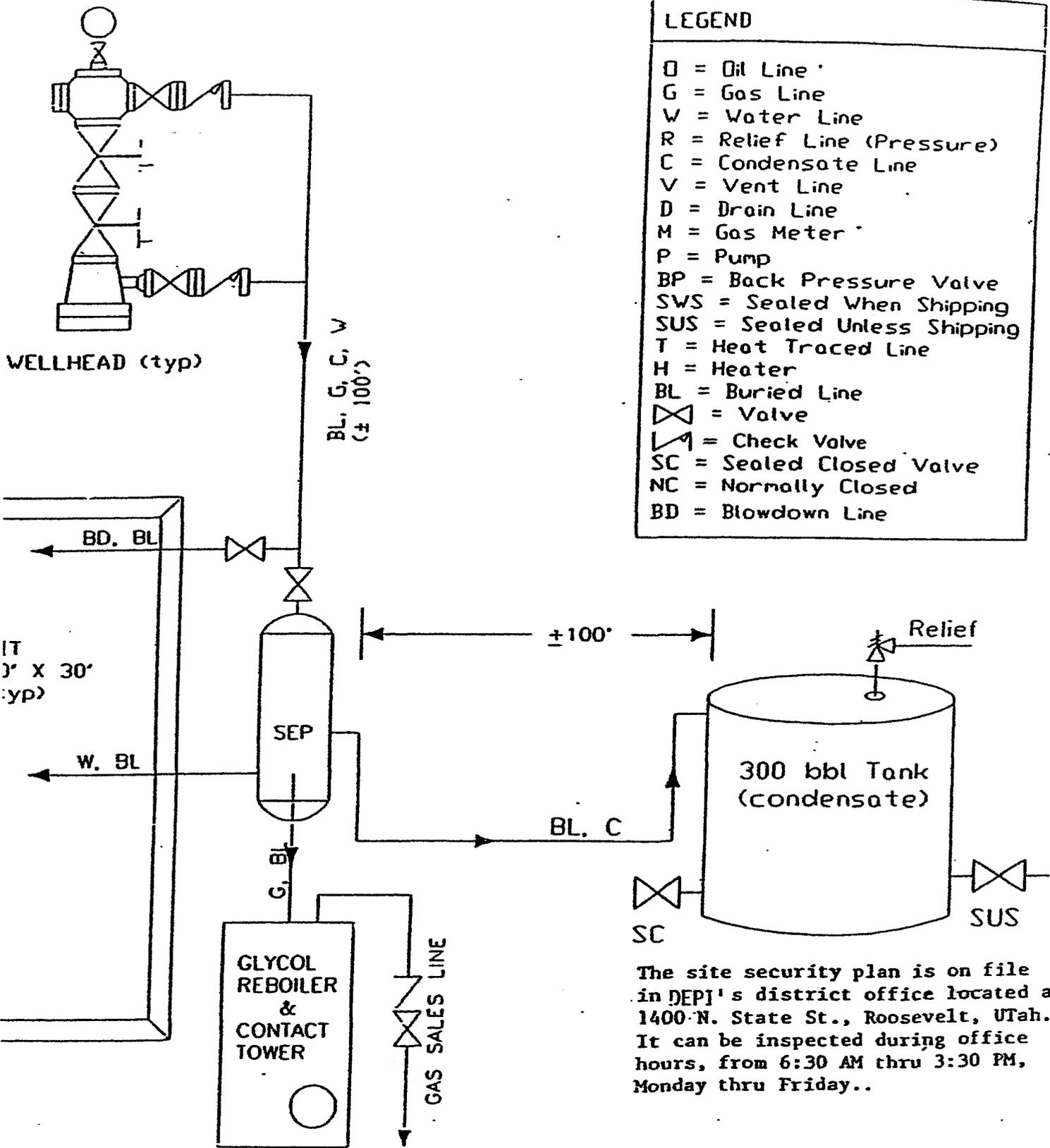
LCU #14-2H & #15-2H
 SECTION 2, T11S, R20E, S.L.B.&M.
 SE 1/4 SW 1/4



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP 04 03 06
 MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: B.C. REV: 02-11-08 L.K.





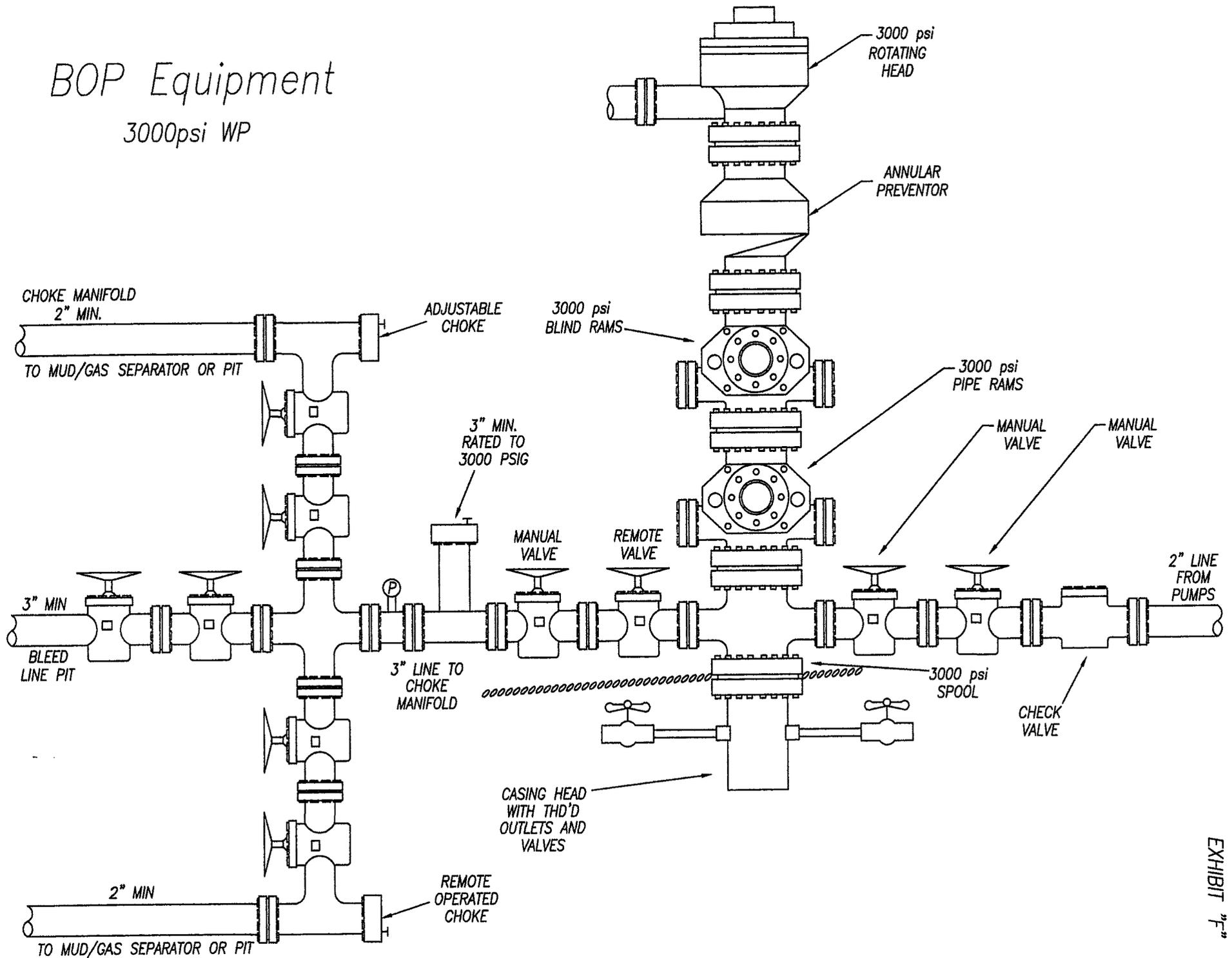
LEGEND

- O = Oil Line
- G = Gas Line
- W = Water Line
- R = Relief Line (Pressure)
- C = Condensate Line
- V = Vent Line
- D = Drain Line
- M = Gas Meter
- P = Pump
- BP = Back Pressure Valve
- SWS = Sealed When Shipping
- SUS = Sealed Unless Shipping
- T = Heat Traced Line
- H = Heater
- BL = Buried Line
- ⊗ = Valve
- ⌞ = Check Valve
- SC = Sealed Closed Valve
- NC = Normally Closed
- BD = Blowdown Line

The site security plan is on file in DEP's district office located at 1400 N. State St., Roosevelt, Utah. It can be inspected during office hours, from 6:30 AM thru 3:30 PM, Monday thru Friday..

BOP Equipment

3000psi WP



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 12/24/2007

API NO. ASSIGNED: 43-047-39887

WELL NAME: LCU 15-2H
 OPERATOR: XTO ENERGY INC (N2615)
 CONTACT: DON HAMILTON

PHONE NUMBER: 435-722-4521

PROPOSED LOCATION:

SESW 02 110S 200E
 SURFACE: 0244 FSL 2060 FWL
 BOTTOM: 0647 FSL 2020 FEL
 COUNTY: UINTAH
 LATITUDE: 39.88290 LONGITUDE: -109.6478
 UTM SURF EASTINGS: 615623 NORTHINGS: 4415426
 FIELD NAME: HILL CREEK (617)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	6/4/08
Geology		
Surface		

LEASE TYPE: 3 - State
 LEASE NUMBER: ML-48771
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

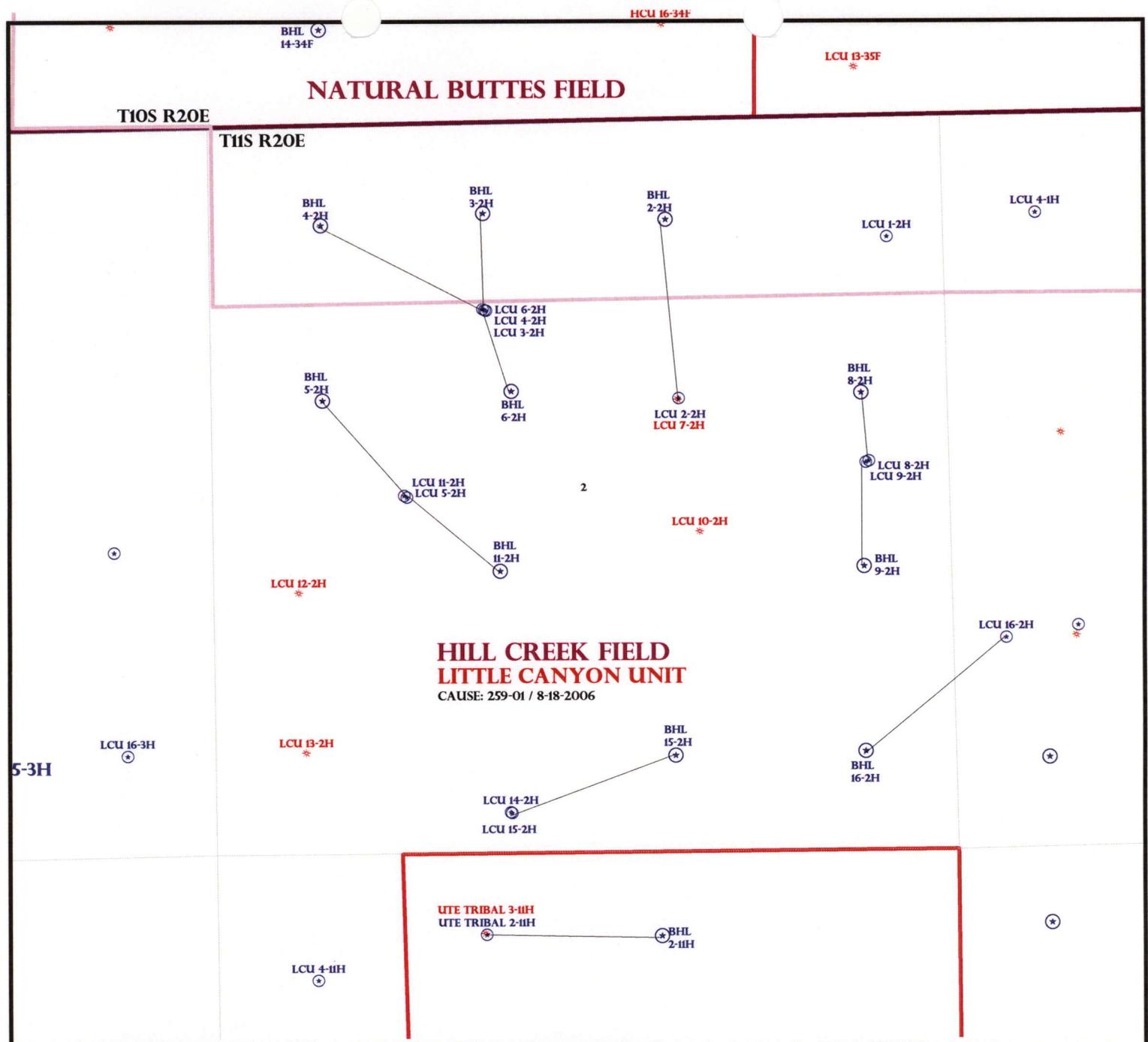
- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]
(No. 104312762)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-10447)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: LITTLE CANYON
- R649-3-2. General
- Siting: 460' From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
 - Board Cause No: 259-01
 - Eff Date: 8-18-2006
 - Siting: 460' fr uldng & uncomm-tract
- R649-3-11. Directional Drill

COMMENTS: Needs Permit (04-03-08)

STIPULATIONS: 1- STATEMENT OF BASIS
2- Cement Slip #3 (5 1/2" production, 1839' md)



OPERATOR: XTO ENERGY INC (N2615)

SEC: 2 T.11S R. 20E

FIELD: HILL CREEK (617)

COUNTY: UINTAH

CAUSE: 259-01 / 8-18-2006

Field Status	
	ABANDONED
	ACTIVE
	COMBINED
	INACTIVE
	PROPOSED
	STORAGE
	TERMINATED

Unit Status	
	EXPLORATORY
	GAS STORAGE
	NF PP OIL
	NF SECONDARY
	PENDING
	PI OIL
	PP GAS
	PP GEOTHERML
	PP OIL
	SECONDARY
	TERMINATED

Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



OIL, GAS & MINING



PREPARED BY: DIANA MASON
DATE: 03-JANUARY-2008

Application for Permit to Drill

Statement of Basis

4/10/2008

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
652	43-047-39887-00-00		GW	S	No
Operator	Surface Owner-APD				
Well Name	LCU 15-2H	Unit	LITTLE CANYON		
Field	HILL CREEK	Type of Work			
Location	SESW 2 11S 20E S 244 FSL 2060 FWL GPS Coord (UTM) 615623E 4415426N				

Geologic Statement of Basis

XTO proposes to set 500 feet of surface casing cemented to the surface. An intermediate string is to be set at 3,988 feet. This will add additional isolation of the base of the moderately saline ground water. The base of the moderately saline water is estimated at 4,000 feet. A search of Division of Water Rights records shows 2 water wells within a 10,000 foot radius of the center of section 2. One well is 2,500 feet deep no depth is listed for the other well. Both wells are over a mile from the proposed location. The wells are owned by the BLM. Use is listed as stock/wildlife watering. The surface formation at this location is the Uinta Formation. The Uinta Formation is made up of discontinuous sands interbedded with shales and are not expected to produce prolific aquifers. The proposed surface casing should adequately protect any near surface aquifers.

Brad Hill
APD Evaluator

4/9/2008
Date / Time

Surface Statement of Basis

Proposed well in on existing location. Site is in the bottom of Willow Creek Canyon, 200' northeast of Willow Creek and three miles south of the confluence of Willow Creek and Hill Creek. Willow Creek cuts an incised gulch 25' to 30' below the 100 year floodplain through the bottom of this canyon. Canyon walls are steep with numerous sandstone faces, outcroppings and sheer rock ledges.

The predrill investigation of the surface was performed on 9/07/06 for the LCU 14-2H well. The presite for the proposed LCU 15-2H was conducted on 04/03/2008. The proposed location will be moved 20 feet from the existing wellhead rather than the planned 10 feet. A new plat and survey sheet will be resubmitted reflecting these changes.

This site is on a 100 year floodplain in the bottom of Willow Creek Canyon. Willow Creek has occasionally changed course in this area, and this location must be monitored on a regular basis. If the integrity of the location is in danger, it may be necessary to rip-rap the stream bank to protect the location from erosion.

The existing open reserve pit will be reused. The condition of the liner must be determined. Its integrity must be insured prior to reuse.

No other concerns were identified that may affect proposal.

Floyd Bartlett
Onsite Evaluator

4/3/2008
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	The existing synthetic liner in the reserve pit must be examined to determine its condition. Its integrity must be maintained during the proposed action.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator XTO ENERGY INC
Well Name LCU 15-2H
API Number 43-047-39887-0 **APD No** 652 **Field/Unit** HILL CREEK
Location: 1/4,1/4 SESW **Sec** 2 **Tw** 11S **Rng** 20E 244 FSL 2060 FWL
GPS Coord (UTM) 615640 4415401 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Jim Davis (SITLA), Ken Secrist, and Zander McIntire (XTO Energy, INC.), Ben Williams (UDWR), Brandon Bowthorpe (U.E.L.S.), Billy McClure (LaRose Construction), Randy Jackson (Jackson Construction)

Regional/Local Setting & Topography

Proposed well in on existing location. Site is in the bottom of Willow Creek Canyon, 200' northeast of Willow Creek and three miles south of the confluence of Willow Creek and Hill Creek. Willow Creek cuts an incised gulch 25' to 30' below the 100 year floodplain through the bottom of this canyon. Canyon walls are steep with numerous sandstone faces, outcroppings and sheer rock ledges.

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No other concerns were identified that may affect proposal.

Surface Use Plan

Current Surface Use

Existing Well Pad

New Road

Miles	Well Pad		Src Const Material	Surface Formation
0	Width	Length		

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Poorly vegetated with shadscale, globe mallow, halogeton, broom snake-weed, horsebrush, cheatgrass and curly mesquite.

Pronghorn, coyotes, songbirds, raptors, rodents, rabbits, deer, elk, wild horses.

Soil Type and Characteristics

Moderately deep, light brown gravelly loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y **Paleo Potential Observed?** N **Cultural Survey Run?** Y **Cultural Resources?** N

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	<300	20
Native Soil Type	Low permeability	0
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0

Final Score 25 **Sensitivity Level**

Characteristics / Requirements

Closed Loop Mud Required? **Liner Required?** **Liner Thickness** **Pit Underlayment Required?**

Other Observations / Comments

Floyd Bartlett
Evaluator

4/3/2008
Date / Time

BOPE REVIEW

XTO LCU 15-2H API 43-047-39887

INPUT

Well Name

XTO LCU 15-2H API 43-047-39887

Casing Size (")

String 1	String 2		
9 5/8	5 1/2		
2200	8700		
40	2200		
8.8	9.2		
0	3000		
3520	7740		
4600	10.2 ppg		

Setting Depth (TVD)

Previous Shoe Setting Depth (TVD)

Max Mud Weight (ppg)

BOPE Proposed (psi)

Casing Internal Yield (psi)

Operators Max Anticipated Pressure (psi)

Calculations

String 1 9 5/8 "

Max BHP [psi]

$.052 * \text{Setting Depth} * \text{MW} = 1007$

BOPE Adequate For Drilling And Setting Casing at Depth?

MASP (Gas) [psi]

Max BHP - (0.12 * Setting Depth) = 743

NO

MASP (Gas/Mud) [psi]

Max BHP - (0.22 * Setting Depth) = 523

NO *OK*

*Can Full Expected Pressure Be Held At Previous Shoe?

Pressure At Previous Shoe

Max BHP - .22 * (Setting Depth - Previous Shoe Depth) = 532

NO *reasonable depth - no issue*

Required Casing/BOPE Test Pressure

2200 psi

*Max Pressure Allowed @ Previous Casing Shoe =

40 psi

*Assumes 1psi/ft frac gradient

Calculations

String 2 5 1/2 "

Max BHP [psi]

$.052 * \text{Setting Depth} * \text{MW} = 4162$

BOPE Adequate For Drilling And Setting Casing at Depth?

MASP (Gas) [psi]

Max BHP - (0.12 * Setting Depth) = 3118

NO

MASP (Gas/Mud) [psi]

Max BHP - (0.22 * Setting Depth) = 2248

YES *✓*

*Can Full Expected Pressure Be Held At Previous Shoe?

Pressure At Previous Shoe

Max BHP - .22 * (Setting Depth - Previous Shoe Depth) = 2732

NO *OK*

Required Casing/BOPE Test Pressure

3000 psi

*Max Pressure Allowed @ Previous Casing Shoe =

2200 psi

*Assumes 1psi/ft frac gradient

2008-06 XTO LCU 15-2H

Casing Schematic

Surface

127%

187%

Uinta
TOC @ 262' to surf w/14% ✓

1677' tail

2180' TOC w/6% w/o ✓

Surface
2339. MD
2200. TVD

Propose TOC to 1879' ✓

9-5/8"
MW 8.8
Frac 19.3

3198' Wasatch Tongue

TOC @ 3339'
3538' Green River Tongue
3678' Wasatch

4563' Chapin Wells

5613' Ukeland Buttes

6202' tail w/6% w/o
6398' Mesaverde
6675' tail

Strip cements

5-1/2"
MW 9.2

Production
8973. MD
8700. TVD

Well name:

2008-06 XTO LCU 15-2H

Operator: **XTO Energy, Inc.**

String type: **Surface**

Project ID:

43-047-39887

Location: **Uintah Co.**

Design parameters:

Collapse

Mud weight: 8.800 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 96 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 185 ft
Cement top: 262 ft

Burst

Max anticipated surface pressure: 1,936 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,200 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 2,023 ft

Directional well information:

Kick-off point 300 ft
Departure at shoe: 688 ft
Maximum dogleg: 3 °/100ft
Inclination at shoe: 25 °

Re subsequent strings:

Next setting depth: 8,700 ft
Next mud weight: 9.200 ppg
Next setting BHP: 4,158 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,200 ft
Injection pressure: 2,200 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2339	9.625	36.00	J-55	ST&C	2200	2339	8.796	1015.3
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1006	2020	2.009	2200	3520	1.60	79	394	4.98 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Minerals

Phone: 810-538-5357

Date: June 2, 2008
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 2200 ft, a mud weight of 8.8 ppg. The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

2008-06 XTO LCU 15-2H

Operator: XTO Energy, Inc.

String type: Production

Project ID:

43-047-39887

Location: Uintah Co.

Design parameters:

Collapse

Mud weight: 9.200 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 187 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 368 ft
Cement top: 3,339 ft

Burst

Max anticipated surface pressure: 2,244 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,158 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 7,759 ft

Directional well information:

Kick-off point 300 ft
Departure at shoe: 1354 ft
Maximum dogleg: 3 °/100ft
Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8973	5.5	17.00	N-80	LT&C	8700	8973	4.767	1171.2
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4158	6290	1.513	4158	7740	1.86	148	348	2.35 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Minerals

Phone: 810-538-5357

Date: June 2, 2008
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 8700 ft, a mud weight of 9.2 ppg. The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

January 8, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2007 Plan of Development Little Canyon Unit Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Little Canyon Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Wasatch/MesaVerde)		
43-047-39887	LCU 15-2H Sec 2 T11S R20E 0244 FSL 2060 FWL BHL Sec 2 T11S R20E 0647 FSL 2020 FEL	
43-047-39888	LCU 04-2H Sec 2 T11S R20E 1357 FNL 1905 FWL BHL Sec 2 T11S R20E 0725 FNL 0759 FWL	
43-047-39889	LCU 02-2H Sec 2 T11S R20E 2022 FNL 1954 FEL BHL Sec 2 T11S R20E 0724 FNL 2024 FEL	

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File – Little Canyon Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

From: Ed Bonner
To: Mason, Diana
Date: 2/1/2008 3:01 PM
Subject: Well Clearance

CC: Davis, Jim; Garrison, LaVonne; Hill, Brad; Jarvis, Dan

The following wells have been given cultural resources and paleontological resources clearance by the Trust Lands Administration:

EOG Resources, Inc
CWU 1032-32 (API 43 047 50024)
CWU 952-32 (API 43 047 50025)

XTO Energy, Inc
LCU 15-2H (API 43 047 39887)
LCU 4-2H (API 43 047 39888)
LCU 2-2H (API 43 047 39889)
KC 6-36D (API 43 047 39890)
KC 7-36D (API 43 047 39891)
KC 8-36D (API 43 047 39892)
KC 10-32E (API 43 047 39893)

If you have any questions regarding this matter please give me a call.



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 18, 2008

XTO Energy, Inc.
P O Box 1360
Roosevelt, UT 84066

Re: LCU 15-2H Well, 244' FSL, 2060' FWL, SE SW, Sec. 2, T. 11 South, R. 20 East,
Bottom Location 647' FSL, 2020' FEL, SW SE, Sec. 2, T. 11 South, R. 20 East,
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39887.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
SITLA
Bureau of Land Management, Vernal Office

Operator: XTO Energy, Inc.
Well Name & Number LCU 15-2H
API Number: 43-047-39887
Lease: ML-48771

Location: SE SW **Sec. 2** **T. 11 South** **R. 20 East**
Bottom Location: SW SE **Sec. 2** **T. 11 South** **R. 20 East**

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

Page 2

43-047-39887

June 18, 2008

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
7. Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 1839' MD as indicated in the submitted drilling plan.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

ML-48771

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

N/A

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

Little Canyon Unit

1. TYPE OF WELL

OIL WELL GAS WELL OTHER _____

8. WELL NAME and NUMBER:

LCU 15-2H

2. NAME OF OPERATOR:

XTO Energy, Inc.

9. API NUMBER:

4304739887

3. ADDRESS OF OPERATOR:

P.O. Box 1360 CITY **Roosevelt** STATE **UT** ZIP **84066**

PHONE NUMBER:

(435) 722-4521

10. FIELD AND POOL, OR WILDCAT:

Hill Creek

4. LOCATION OF WELL

FOOTAGES AT SURFACE: **244' FSL & 2,060' FWL,**

COUNTY: **Uintah**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SESW 2 11S 20E S**

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Relocation of Surface Location
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy, Inc. requests permission to relocate the surface location for the referenced well 9.89' prior to drilling of the previously approved APD. The new location results from an increase in spacing from 10' to 20 between the proposed well and the two additional proposed wells on the same location. Following is the updated location information for the LCU 15-2H:

Surface Location: ~~237' FSL & 2,067' FWL SE 1/4 SW 1/4, Section 2, T11S, R20E, S1B&M~~

*615625x 39.882885
4415424y -109.647804*

Attached please find an updated Form 3, Exhibit 'A' and Exhibit 'D' to replace those previously approved within the APD package.

The location of the surface and target location as well as all points along the intended well bore path are within Cause No. 259-01 and are not within 460 feet of any uncommitted tracts or the unit boundary.

Approved by the
Utah Division of
Oil, Gas and Mining

ORIGINAL

Date: 08-07-08

By: [Signature] TITLE Agent for XTO Energy, Inc.

NAME (PLEASE PRINT) Don Hamilton

SIGNATURE Don Hamilton

DATE 8/4/2008

(This space for State use only)

COPY SENT TO OPERATOR

Date: 8.11.2008

Initials: KS

RECEIVED

AUG 05 2008

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO: ML-48771	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: Little Canyon Unit	
2. NAME OF OPERATOR: XTO Energy, Inc.				9. WELL NAME and NUMBER: LCU 15-2H	
3. ADDRESS OF OPERATOR: P.O. Box 1360 CITY Roosevelt STATE UT ZIP 84066			PHONE NUMBER: (435) 722-4521	10. FIELD AND POOL, OR WILDCAT: Natural Buttes	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 237' FSL & 2,067' FWL SE/4 SW/4, AT PROPOSED PRODUCING ZONE: 647' FSL & 2,020' FEL, SW/4 SE/4,				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 2 11S 20E S	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 14.27 miles south of Ouray, Utah				12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 237'		16. NUMBER OF ACRES IN LEASE: 638.50		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 20'		19. PROPOSED DEPTH: 8,937		20. BOND DESCRIPTION: 104312 762	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5,004' ungraded ground		22. APPROXIMATE DATE WORK WILL START: 9/1/2008		23. ESTIMATED DURATION: 14 days	

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
	14" Cond.	40	
12-1/4"	9-5/8" J-55 ST 36#	2,314	see Drilling Plan
7-7/8"	5-1/2" N-80 LT 17#	8,937	see Drilling Plan
			(8700' TVD)

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

ORIGINAL

NAME (PLEASE PRINT) Don Hamilton TITLE Agent for XTO Energy, Inc.

SIGNATURE *Don Hamilton* DATE 8/4/2008

(This space for State use only)

API NUMBER ASSIGNED: _____ APPROVAL: _____

RECEIVED

AUG 05 2008

DIV. OF OIL, GAS & MINING

(11/2001) (See Instructions on Reverse Side)

T11S, R20E, S.L.B.&M.

Sec. 34

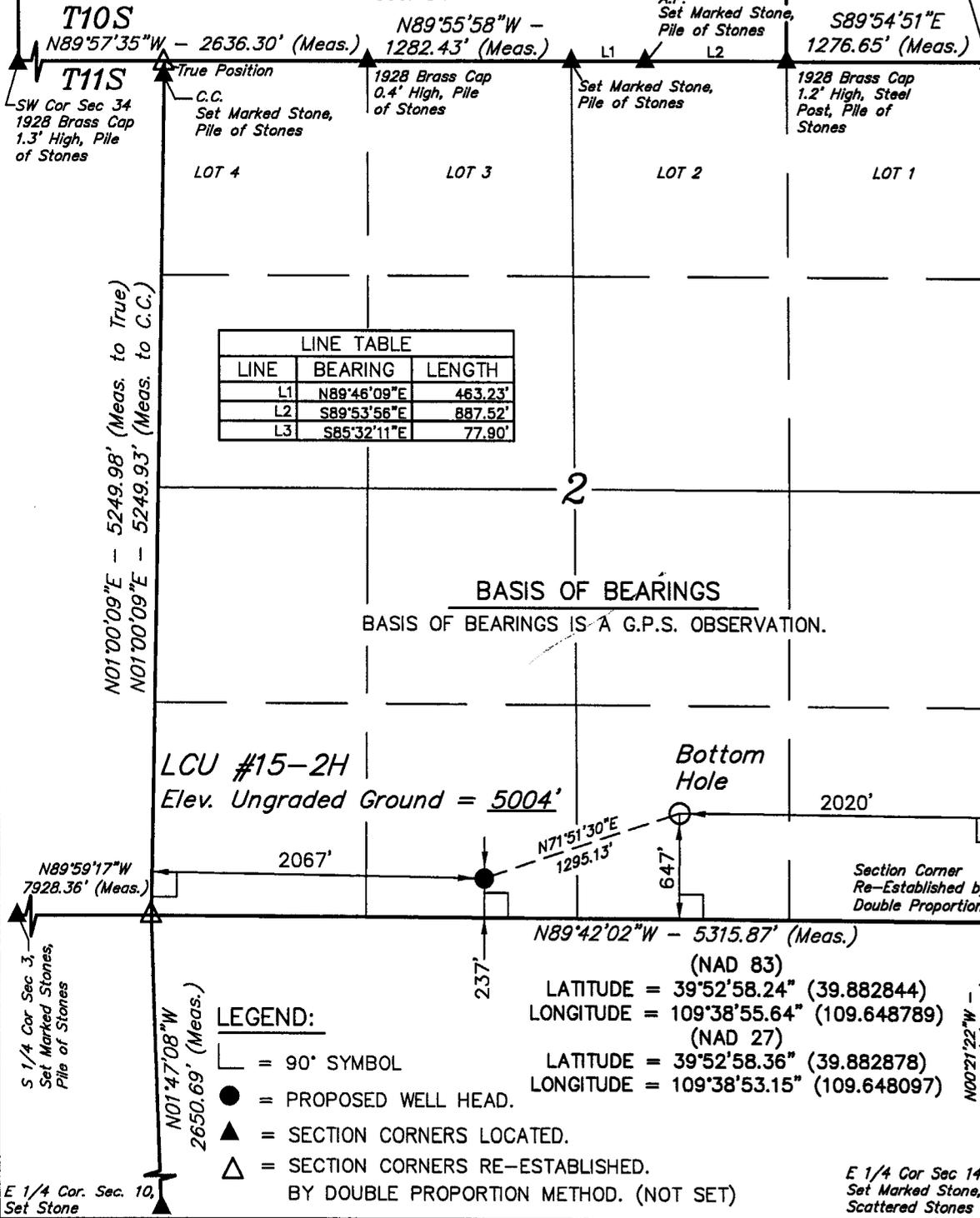
A.P. Set Marked Stone

XTO ENERGY, INC.

Well location, LCU #15-2H, located as shown in the SE 1/4 SW 1/4 of Section 2, T11S, R20E, S.L.B.&M. Uintah County Utah.

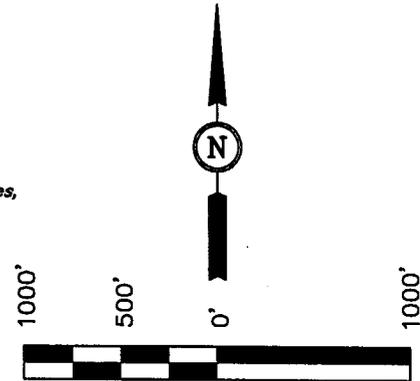
BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.



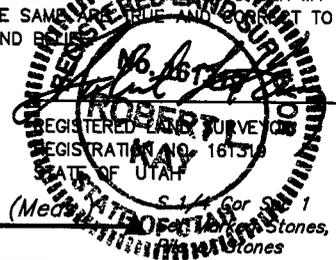
LINE TABLE		
LINE	BEARING	LENGTH
L1	N89°46'09"E	463.23'
L2	S89°53'56"E	887.52'
L3	S85°32'11"E	77.90'

BASIS OF BEARINGS
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE
CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REVISED: 06-17-08 D.P.
N89°57'50"W - 2657.89' (Meas.)
REVISED: 02-11-08 L.K.

LEGEND:

- └─┘ = 90° SYMBOL
 - = PROPOSED WELL HEAD.
 - ▲ = SECTION CORNERS LOCATED.
 - △ = SECTION CORNERS RE-ESTABLISHED.
- BY DOUBLE PROPORTION METHOD. (NOT SET)

<p>UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017</p>		
SCALE 1" = 1000'	DATE SURVEYED: 12-6-06	DATE DRAWN: 12-11-06
PARTY B.B. P.J. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE XTO ENERGY, INC	

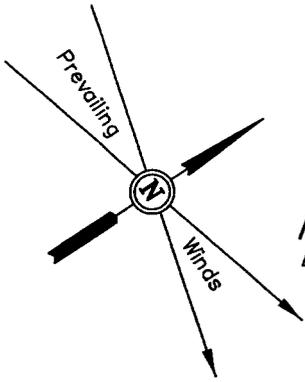
E 1/4 Cor. Sec. 10, Set Stone

E 1/4 Cor Sec 14 Set Marked Stone, Scattered Stones

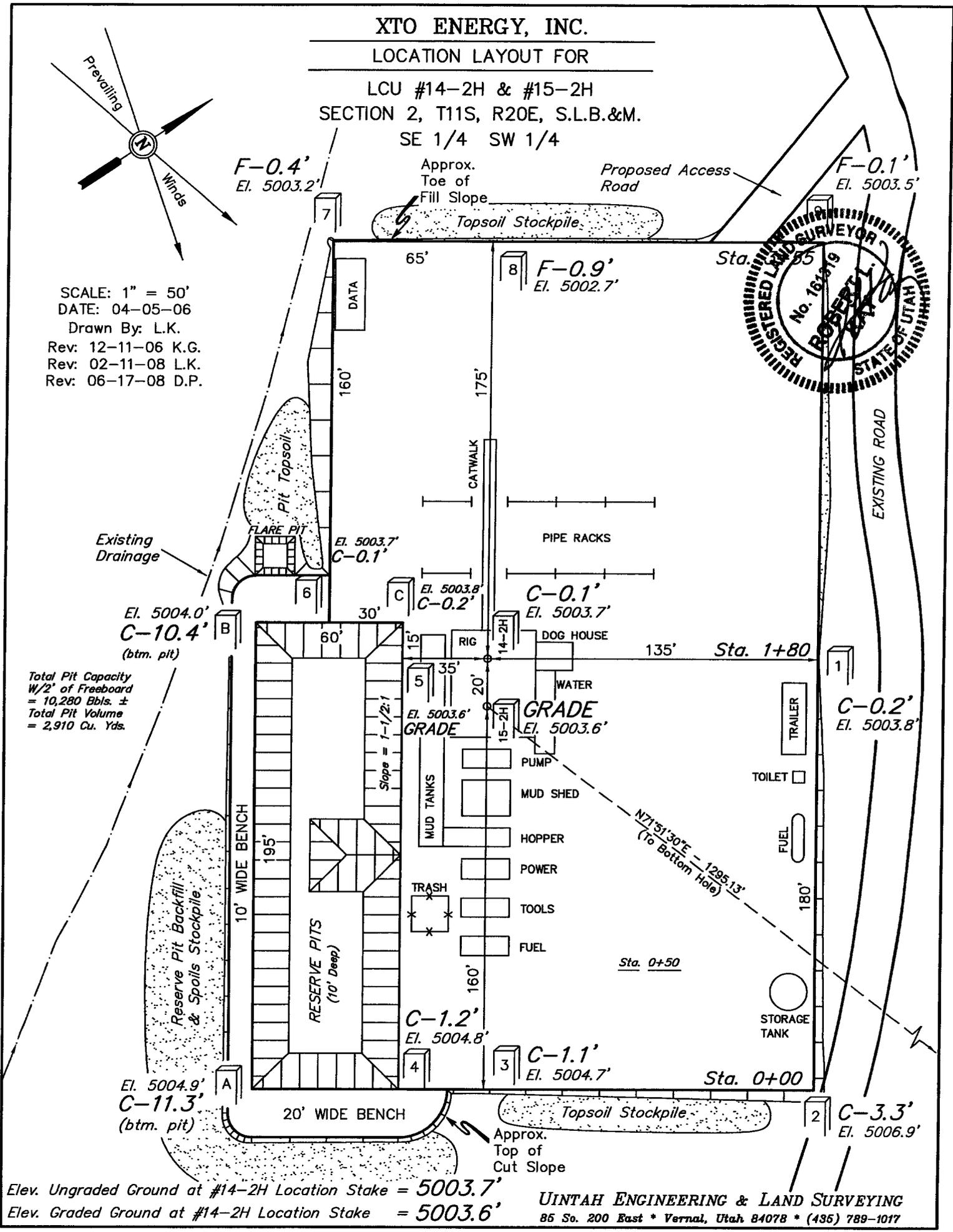
XTO ENERGY, INC.

LOCATION LAYOUT FOR

LCU #14-2H & #15-2H
SECTION 2, T11S, R20E, S.L.B.&M.
SE 1/4 SW 1/4



SCALE: 1" = 50'
DATE: 04-05-06
Drawn By: L.K.
Rev: 12-11-06 K.G.
Rev: 02-11-08 L.K.
Rev: 06-17-08 D.P.



Total Pit Capacity
W/2' of Freeboard
= 10,280 Bbls. ±
Total Pit Volume
= 2,910 Cu. Yds.

Elev. Ungraded Ground at #14-2H Location Stake = 5003.7'
Elev. Graded Ground at #14-2H Location Stake = 5003.6'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

XTO ENERGY INC.

LCU 15-2H

APD Data

August 3, 2008

Location: 237' FSL & 2067' FWL, Sec. 2, T11S, R20E County: Uintah

State: Utah

Bottomhole Location: 647' FSL & 2020' FEL, Sec. 2, T11S, R20E

GREATEST PROJECTED TD: 8937' MD/ 8700' TVD

OBJECTIVE: Wasatch/Mesaverde

APPROX GR ELEV: 5004'

Est KB ELEV: 5018' (14' AGL)

1. MUD PROGRAM:

INTERVAL	0' to 2314'	2314' to 8937'
HOLE SIZE	12.25"	7.875"
MUD TYPE	FW/Spud Mud	KCl Based LSND / Gel Chemical
WEIGHT	8.80 ppg	8.6-9.2 ppg
VISCOSITY	NC	30-60 sec-qt ⁻¹
WATER LOSS	NC	8-15 cc/30 min

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing purposes. The mud system will be monitored visually/manually.

2. CASING PROGRAM:

Surface Casing: 9.625" casing set at ±2314'MD/2200'TVD in a 12.25" hole filled with 8.8 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-2314'	2314'	36#	J-55	ST&C	2020	3520	394	8.921	8.765	2.57	4.47	4.73

Production Casing: 5.5" casing set at ±8937'MD/8700'TVD in a 7.875" hole filled with 9.20 ppg mud.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-8937'	8937'	17#	N-80	LT&C	6280	7740	348	4.892	4.767	1.91	2.35	2.29

Collapse and burst loads calculated at TVD with 0.1 psi/ft gas gradient back up.

3. WELLHEAD:

- A. Casing Head: Larkin Fig 92 (or equivalent), 9" nominal, 2,000 psig WP (4,000 psig test) with 9-5/8" 8rnd thread on bottom (or slip-on, weld-on) and 11-3/4" 8rnd thread on top.
- B. Tubing Head: Larkin Fig 612 (or equivalent), 6.456" nominal, 5,000 psig WP, 5-1/2" 8rnd female thread on bottom (or slip-on, weld-on), 8-5/8" 8rnd thread on top.

4. CEMENT PROGRAM:

- A. Surface: 9.625", 36#, J-55 (or equiv.), ST&C casing to be set at ±2314' in 12.25" hole.

LEAD:

±231 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.0 ppg, 3.82 ft³/sk, 22.95 gal wtr/sx.

TAIL:

350 sx Class G or equivalent cement with bonding additive, LCM, dispersant, & fluid loss mixed at 15.6 ppg, 1.2 cuft/sx

Total estimated slurry volume for the 9.625" surface casing is 1302.4 ft³. Slurry includes 75% excess of calculated open hole annular volume to 2314'.

B. Production: 5.5", 17#, N-80 (or equiv.), LT&C casing to be set at ±8937' in 7.875" hole.

LEAD:

±279 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.6 ppg, 3.10 ft³/sk, 17.71 gal wtr/sx.

TAIL:

400 sx Class G or equivalent cement with poz, bonding additive, LCM, dispersant, & fluid loss mixed at 13.0 ppg, 1.49 cuft/sx, 9.09 gal/sx.

Total estimated slurry volume for the 5.5" production casing is 1460.0 ft³. Slurry includes 15% excess of calculated open hole annular volume.

Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined from the caliper logs plus 15% or greater excess. The cement is designed to circulate on surface casing string. The production casing is designed for 1814' top of cement..

5. LOGGING PROGRAM:

- A. Mud Logger: The mud logger will come on at intermediate casing point and will remain on the hole until TD. The mud will be logged in 10' intervals.
- B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (8937') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (8937') to 2314'. Run Gamma Ray to surface.

6. FORMATION TOPS:

Please see attached directional plan.

7. ANTICIPATED OIL, GAS, & WATER ZONES:

- A. No change.

8. BOP EQUIPMENT:

Surface will utilize a 500 psi or greater diverter.

Production hole will be drilled with a 3000 psi BOP stack.

Minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double ram with annular, 3000 psi w.p.

Ram type preventers and associated equipment shall be tested to stack working pressure if isolated by test plug or to 70% of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10% in 30 minutes

occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50% of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed:
- b. whenever any seal subject to test pressure is broken
- c. following related repairs: and
- d. at 30 day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) shall be held open or the ball removed.

Annular preventers (if used) shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

A BOPE pit level drill shall be conducted weekly for each drilling crew.

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No.2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests. Pressure tests shall apply to all related well control equipment.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Test pressures for BOP equipment are as follows:

- Annular BOP -- 1500 psi
- Ram type BOP -- 3000 psi
- Kill line valves -- 3000 psi
- Choke line valves and choke manifold valves -- 3000 psi
- Chokes -- 3000 psi
- Casing, casinghead & weld -- 1500 psi
- Upper kelly cock and safety valve -- 3000 psi
- Dart valve -- 3000 psi

Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The BLM in Vernal, UT shall be notified, at least 24 hours prior to initiating the pressure test, in order to have a BLM representative on location during pressure testing.

- a. The size and rating of the BOP stack is shown on the attached diagram.

- b. A choke line and a kill line are to be properly installed.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.
- e. See attached BOP & Choke manifold diagrams.

9. **COMPANY PERSONNEL:**

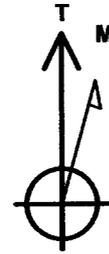
<u>Name</u>	<u>Title</u>	<u>Office Phone</u>	<u>Home Phone</u>
John Egelston	Drilling Engineer	505-333-3163	505-330-6902
Bobby Jackson	Drilling Superintendent	505-333-3224	505-486-4706
Jeff Jackson	Project Geologist	817-885-2800	



Well Name: LCU 15-2H

San Juan Division
Drilling Department

Calculation Method: Minimum Curvature
Geodetic Datum: North American Datum 1983
Lat: 39° 52' 58.238 N
Long: 109° 38' 55.640 W



Azimuths to True North
Magnetic North: 11.56°

Magnetic Field
Strength: 52657.6nT
Dip Angle: 65.84°
Date: 12/4/2007
Model: IGRF200510

SECTION DETAILS

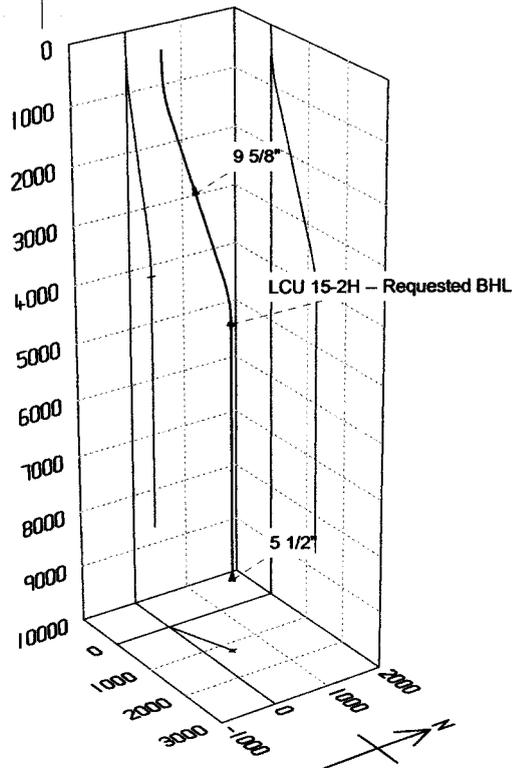
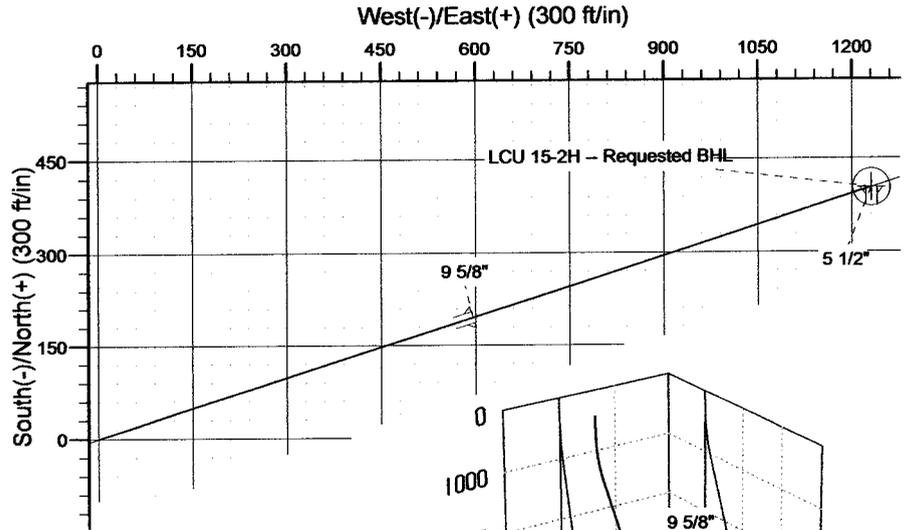
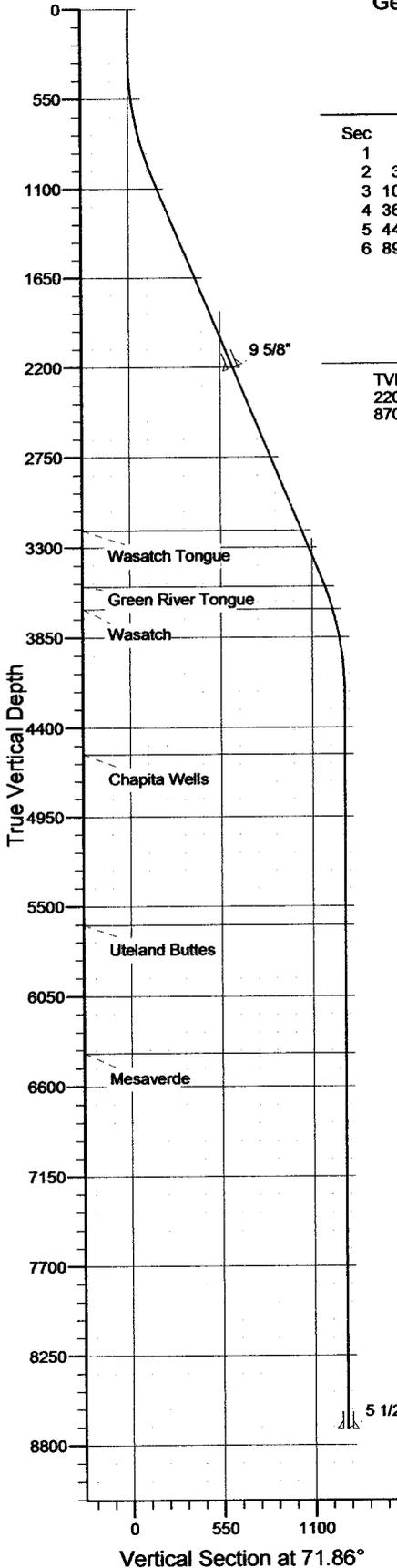
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	1046.3	22.39	71.86	1027.4	44.8	136.8	3.00	71.86	144.0	
4	3690.8	22.39	71.86	3472.6	358.4	1093.9	0.00	0.00	1151.2	
5	4437.0	0.00	0.00	4200.0	403.3	1230.7	3.00	180.00	1295.1	LCU 15-2H - Requested BHL
6	8937.0	0.00	0.00	8700.0	403.3	1230.7	0.00	0.00	1295.1	

CASING DETAILS

TVD	MD	Name	Size
2200.0	2314.4	9 5/8"	9-5/8
8700.0	8937.0	5 1/2"	5-1/2

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3198.0	3393.8	Wasatch Tongue
3538.0	3761.0	Green River Tongue
3678.0	3908.3	Wasatch
4563.0	4800.0	Chapita Wells
5613.0	5850.0	Uteland Buttes
6398.0	6635.0	Mesaverde



XTO Energy

Natural Buttes Wells(NAD83)

LCU 15-2H

LCU 15-2H

LCU 15-2H

Plan: Sundry'd Wellbore

Standard Planning Report

03 August, 2008

XTO Energy, Inc.
Planning Report

Database: EDM 2003.14 Single User Db
Company: XTO Energy
Project: Natural Buttes Wells(NAD83)
Site: LCU 15-2H
Well: LCU 15-2H
Wellbore: LCU 15-2H
Design: Sundry'd Wellbore

Local Co-ordinate Reference: Site LCU 15-2H
TVD Reference: Rig KB @ 5018.0ft (Frontier #6)
MD Reference: Rig KB @ 5018.0ft (Frontier #6)
North Reference: True
Survey Calculation Method: Minimum Curvature

Project	Natural Buttes Wells(NAD83), Vernal, UT		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Utah Northern Zone		

Site	LCU 15-2H, T11S, R20E		
Site Position:		Northing:	3,122,232.59 ft
From:	Lat/Long	Easting:	2,160,027.55 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	39° 52' 58.238 N
		Longitude:	109° 38' 55.640 W
		Grid Convergence:	1.22 °

Well	LCU 15-2H, S-Well to Wasatch/Mesaverde		
Well Position	+N/-S	0.0 ft	Northing: 3,122,232.59 ft
	+E/-W	0.0 ft	Easting: 2,160,027.55 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	5,004.0 ft
		Ground Level:	5,004.0 ft

Wellbore	LCU 15-2H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/4/2007	11.56	65.84	52,658

Design	Sundry'd Wellbore			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	71.86

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,046.3	22.39	71.86	1,027.4	44.8	136.8	3.00	3.00	0.00	71.86	
3,690.8	22.39	71.86	3,472.6	358.4	1,093.9	0.00	0.00	0.00	0.00	
4,437.0	0.00	0.00	4,200.0	403.3	1,230.7	3.00	-3.00	0.00	180.00	LCU 15-2H – Reques
8,937.0	0.00	0.00	8,700.0	403.3	1,230.7	0.00	0.00	0.00	0.00	

XTO Energy, Inc.
Planning Report

Database: EDM 2003.14 Single User Db
Company: XTO Energy
Project: Natural Buttes Wells(NAD83)
Site: LCU 15-2H
Well: LCU 15-2H
Wellbore: LCU 15-2H
Design: Sundry'd Wellbore

Local Co-ordinate Reference: Site LCU 15-2H
TVD Reference: Rig KB @ 5018.0ft (Frontier #6)
MD Reference: Rig KB @ 5018.0ft (Frontier #6)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	3.00	71.86	400.0	0.8	2.5	2.6	3.00	3.00	0.00	
500.0	6.00	71.86	499.6	3.3	9.9	10.5	3.00	3.00	0.00	
600.0	9.00	71.86	598.8	7.3	22.3	23.5	3.00	3.00	0.00	
700.0	12.00	71.86	697.1	13.0	39.7	41.7	3.00	3.00	0.00	
800.0	15.00	71.86	794.3	20.3	61.8	65.1	3.00	3.00	0.00	
900.0	18.00	71.86	890.2	29.1	88.8	93.5	3.00	3.00	0.00	
1,000.0	21.00	71.86	984.4	39.5	120.5	126.9	3.00	3.00	0.00	
1,046.3	22.39	71.86	1,027.4	44.8	136.8	144.0	3.00	3.00	0.00	
1,100.0	22.39	71.86	1,077.1	51.2	156.2	164.4	0.00	0.00	0.00	
1,200.0	22.39	71.86	1,169.6	63.1	192.4	202.5	0.00	0.00	0.00	
1,300.0	22.39	71.86	1,262.0	74.9	228.6	240.6	0.00	0.00	0.00	
1,400.0	22.39	71.86	1,354.5	86.8	264.8	278.7	0.00	0.00	0.00	
1,500.0	22.39	71.86	1,447.0	98.6	301.0	316.8	0.00	0.00	0.00	
1,600.0	22.39	71.86	1,539.4	110.5	337.2	354.9	0.00	0.00	0.00	
1,700.0	22.39	71.86	1,631.9	122.4	373.4	392.9	0.00	0.00	0.00	
1,800.0	22.39	71.86	1,724.3	134.2	409.6	431.0	0.00	0.00	0.00	
1,900.0	22.39	71.86	1,816.8	146.1	445.8	469.1	0.00	0.00	0.00	
2,000.0	22.39	71.86	1,909.3	157.9	482.0	507.2	0.00	0.00	0.00	
2,100.0	22.39	71.86	2,001.7	169.8	518.2	545.3	0.00	0.00	0.00	
2,200.0	22.39	71.86	2,094.2	181.7	554.4	583.4	0.00	0.00	0.00	
2,300.0	22.39	71.86	2,186.7	193.5	590.6	621.5	0.00	0.00	0.00	
2,314.4	22.39	71.86	2,200.0	195.2	595.8	627.0	0.00	0.00	0.00	
9 5/8"										
2,400.0	22.39	71.86	2,279.1	205.4	626.8	659.6	0.00	0.00	0.00	
2,500.0	22.39	71.86	2,371.6	217.2	663.0	697.6	0.00	0.00	0.00	
2,600.0	22.39	71.86	2,464.0	229.1	699.2	735.7	0.00	0.00	0.00	
2,700.0	22.39	71.86	2,556.5	240.9	735.4	773.8	0.00	0.00	0.00	
2,800.0	22.39	71.86	2,649.0	252.8	771.5	811.9	0.00	0.00	0.00	
2,900.0	22.39	71.86	2,741.4	264.7	807.7	850.0	0.00	0.00	0.00	
3,000.0	22.39	71.86	2,833.9	276.5	843.9	888.1	0.00	0.00	0.00	
3,100.0	22.39	71.86	2,926.4	288.4	880.1	926.2	0.00	0.00	0.00	
3,200.0	22.39	71.86	3,018.8	300.2	916.3	964.3	0.00	0.00	0.00	
3,300.0	22.39	71.86	3,111.3	312.1	952.5	1,002.3	0.00	0.00	0.00	
3,393.8	22.39	71.86	3,198.0	323.2	986.5	1,038.1	0.00	0.00	0.00	
Wasatch Tongue										
3,400.0	22.39	71.86	3,203.7	324.0	988.7	1,040.4	0.00	0.00	0.00	
3,500.0	22.39	71.86	3,296.2	335.8	1,024.9	1,078.5	0.00	0.00	0.00	
3,600.0	22.39	71.86	3,388.7	347.7	1,061.1	1,116.6	0.00	0.00	0.00	
3,690.8	22.39	71.86	3,472.6	358.4	1,093.9	1,151.2	0.00	0.00	0.00	
3,700.0	22.11	71.86	3,481.1	359.5	1,097.3	1,154.7	3.00	-3.00	0.00	
3,761.0	20.28	71.86	3,538.0	366.4	1,118.2	1,176.7	3.00	-3.00	0.00	
Green River Tongue										
3,800.0	19.11	71.86	3,574.7	370.5	1,130.7	1,189.9	3.00	-3.00	0.00	
3,900.0	16.11	71.86	3,670.0	379.9	1,159.5	1,220.1	3.00	-3.00	0.00	
3,908.3	15.86	71.86	3,678.0	380.6	1,161.6	1,222.4	3.00	-3.00	0.00	
Wasatch										
4,000.0	13.11	71.86	3,766.8	387.8	1,183.4	1,245.3	3.00	-3.00	0.00	
4,100.0	10.11	71.86	3,864.7	394.0	1,202.6	1,265.5	3.00	-3.00	0.00	
4,200.0	7.11	71.86	3,963.6	398.7	1,216.8	1,280.4	3.00	-3.00	0.00	

XTO Energy, Inc.
Planning Report

Database: EDM 2003.14 Single User Db
Company: XTO Energy
Project: Natural Buttes Wells(NAD83)
Site: LCU 15-2H
Well: LCU 15-2H
Wellbore: LCU 15-2H
Design: Sundry'd Wellbore

Local Co-ordinate Reference: Site LCU 15-2H
TVD Reference: Rig KB @ 5018.0ft (Frontier #6)
MD Reference: Rig KB @ 5018.0ft (Frontier #6)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,300.0	4.11	71.86	4,063.1	401.7	1,226.1	1,290.2	3.00	-3.00	0.00
4,400.0	1.11	71.86	4,163.0	403.2	1,230.4	1,294.8	3.00	-3.00	0.00
4,437.0	0.00	0.00	4,200.0	403.3	1,230.7	1,295.1	3.00	-3.00	0.00
LCU 15-2H – Requested BHL									
4,500.0	0.00	0.00	4,263.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
4,600.0	0.00	0.00	4,363.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
4,700.0	0.00	0.00	4,463.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
4,800.0	0.00	0.00	4,563.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
Chapita Wells									
4,900.0	0.00	0.00	4,663.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
5,000.0	0.00	0.00	4,763.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
5,100.0	0.00	0.00	4,863.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
5,200.0	0.00	0.00	4,963.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
5,300.0	0.00	0.00	5,063.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
5,400.0	0.00	0.00	5,163.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
5,500.0	0.00	0.00	5,263.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
5,600.0	0.00	0.00	5,363.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
5,700.0	0.00	0.00	5,463.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
5,800.0	0.00	0.00	5,563.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
5,850.0	0.00	0.00	5,613.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
Uteland Buttes									
5,900.0	0.00	0.00	5,663.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
6,000.0	0.00	0.00	5,763.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
6,100.0	0.00	0.00	5,863.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
6,200.0	0.00	0.00	5,963.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
6,300.0	0.00	0.00	6,063.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
6,400.0	0.00	0.00	6,163.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
6,500.0	0.00	0.00	6,263.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
6,600.0	0.00	0.00	6,363.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
6,635.0	0.00	0.00	6,398.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
Mesaverde									
6,700.0	0.00	0.00	6,463.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
6,800.0	0.00	0.00	6,563.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
6,900.0	0.00	0.00	6,663.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
7,000.0	0.00	0.00	6,763.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
7,100.0	0.00	0.00	6,863.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
7,200.0	0.00	0.00	6,963.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
7,300.0	0.00	0.00	7,063.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
7,400.0	0.00	0.00	7,163.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
7,500.0	0.00	0.00	7,263.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
7,600.0	0.00	0.00	7,363.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
7,700.0	0.00	0.00	7,463.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
7,800.0	0.00	0.00	7,563.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
7,900.0	0.00	0.00	7,663.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
8,000.0	0.00	0.00	7,763.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
8,100.0	0.00	0.00	7,863.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
8,200.0	0.00	0.00	7,963.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
8,300.0	0.00	0.00	8,063.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
8,400.0	0.00	0.00	8,163.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
8,500.0	0.00	0.00	8,263.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
8,600.0	0.00	0.00	8,363.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
8,700.0	0.00	0.00	8,463.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
8,800.0	0.00	0.00	8,563.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00

XTO Energy, Inc.
Planning Report

Database: EDM 2003.14 Single User Db
Company: XTO Energy
Project: Natural Buttes Wells(NAD83)
Site: LCU 15-2H
Well: LCU 15-2H
Wellbore: LCU 15-2H
Design: Sundry'd Wellbore

Local Co-ordinate Reference: Site LCU 15-2H
TVD Reference: Rig KB @ 5018.0ft (Frontier #6)
MD Reference: Rig KB @ 5018.0ft (Frontier #6)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,900.0	0.00	0.00	8,663.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
8,937.0	0.00	0.00	8,700.0	403.3	1,230.7	1,295.1	0.00	0.00	0.00
5 1/2"									

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
LCU 15-2H -- Requester - plan hits target - Circle (radius 30.0)	0.00	0.00	4,200.0	403.3	1,230.7	3,122,661.99	2,161,249.43	39° 53' 2.222 N	109° 38' 39.856 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,314.4	2,200.0	9 5/8"	9-5/8	12-1/4
8,937.0	8,700.0	5 1/2"	5-1/2	7-7/8

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,393.8	3,198.0	Wasatch Tongue		0.00	
3,761.0	3,538.0	Green River Tongue		0.00	
3,908.3	3,678.0	Wasatch		0.00	
4,800.0	4,563.0	Chapita Wells		0.00	
5,850.0	5,613.0	Uteland Buttes		0.00	
6,635.0	6,398.0	Mesaverde		0.00	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-48771
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: LITTLE CANYON
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: LCU 15-2H
2. NAME OF OPERATOR: XTO ENERGY INC	9. API NUMBER: 43047398870000
3. ADDRESS OF OPERATOR: 382 Road 3100 , Aztec, NM, 87410	PHONE NUMBER: 505 333-3159 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0237 FSL 2067 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 02 Township: 11.0S Range: 20.0E Meridian: S	9. FIELD and POOL or WILDCAT: HILL CREEK COUNTY: UINTAH STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/16/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO hereby requests a one year extension on the State permit for the referenced well.

Approved by the Utah Division of Oil, Gas and Mining

Date: July 23, 2009

By:

NAME (PLEASE PRINT) Eden Fine	PHONE NUMBER 505 333-3664	TITLE Permitting Clerk
SIGNATURE N/A		DATE 7/20/2009



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047398870000

API: 43047398870000

Well Name: LCU 15-2H

Location: 0237 FSL 2067 FWL QTR SESW SEC 02 TWNP 110S RNG 200E MER S

Company Permit Issued to: XTO ENERGY INC

Date Original Permit Issued: 6/18/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No

- Has the approved source of water for drilling changed? Yes No

- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

- Is bonding still in place, which covers this proposed well? Yes No

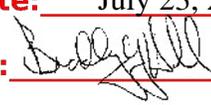
**Approved by the
Utah Division of
Oil, Gas and Mining**

Signature: Eden Fine

Date: 7/20/2009

Title: Permitting Clerk **Representing:** XTO ENERGY INC

Date: July 23, 2009

By: 

RECEIVED July 20, 2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-48771
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME: LITTLE CANYON
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: LCU 15-2H
2. NAME OF OPERATOR: XTO ENERGY INC	9. API NUMBER: 43047398870000
3. ADDRESS OF OPERATOR: 382 Road 3100 , Aztec, NM, 87410	PHONE NUMBER: 505 333-3159 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0237 FSL 2067 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 02 Township: 11.0S Range: 20.0E Meridian: S	9. FIELD and POOL or WILDCAT: HILL CREEK
	COUNTY: UINTAH
	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/18/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
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	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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XTO hereby requests a one year extension on the State permit for the referenced well.

Approved by the Utah Division of Oil, Gas and Mining

Date: June 23, 2010

By:

NAME (PLEASE PRINT) Eden Fine	PHONE NUMBER 505 333-3664	TITLE Permitting Clerk
SIGNATURE N/A	DATE 6/17/2010	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047398870000

API: 43047398870000

Well Name: LCU 15-2H

Location: 0237 FSL 2067 FWL QTR SESW SEC 02 TWNP 110S RNG 200E MER S

Company Permit Issued to: XTO ENERGY INC

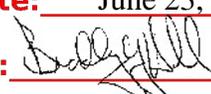
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- Is bonding still in place, which covers this proposed well? Yes No

**Approved by the
Utah Division of
Oil, Gas and Mining**

Signature: Eden Fine **Date:** 6/17/2010
Title: Permitting Clerk **Representing:** XTO ENERGY INC

Date: June 23, 2010
By: 

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-48771
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Approved by the Utah Division of Oil, Gas and Mining

Date: June 23, 2010

By:

NAME (PLEASE PRINT) Eden Fine	PHONE NUMBER 505 333-3664	TITLE Permitting Clerk
SIGNATURE N/A		DATE 6/17/2010



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047398870000

API: 43047398870000

Well Name: LCU 15-2H

Location: 0237 FSL 2067 FWL QTR SESW SEC 02 TWNP 110S RNG 200E MER S

Company Permit Issued to: XTO ENERGY INC

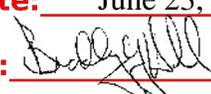
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**Approved by the
Utah Division of
Oil, Gas and Mining**

Signature: Eden Fine **Date:** 6/17/2010
Title: Permitting Clerk **Representing:** XTO ENERGY INC

Date: June 23, 2010
By: 



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 29, 2011

XTO Energy Inc.
382 Road 3100
Aztec, NM 87410

Re: APD Rescinded – LCU 15-2H, Sec. 2 T. 11S, R. 20E
Uintah County, Utah API No. 43-047-39887

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on June 18, 2008. On July 23, 2009 and June 23, 2010, the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective June 29, 2011.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
SITLA, Ed Bonner